LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.816	136	141	147	rBV	12323	18763	0.59%	0.112%
2	5.087	352	357	364	rVB	21648	31535	1.00%	0.188%
3	5.210	374	378	387	rBV2	13077	24920	0.79%	0.148%
4	7.545	769	775	786	rBB	112187	172707	5.46%	1.028%
5	7.898	829	835	842	rBV	184509	282000	8.91%	1.678%
6	8.010	850	854	860	rBV3	26463	42954	1.36%	0.256%
7	8.969	1013	1017	1022	rBV	25359	43269	1.37%	0.257%
8	9.010	1022	1024	1030	rVB2	13848	19100	0.60%	0.114%
9	9.522	1106	1111	1114	rBV	77853	126219	3.99%	0.751%
10	9.557	1114	1117	1124	rVB3	41915	63866	2.02%	0.380%
11	9.710	1135	1143	1147	rBV4	9253	21922	0.69%	0.130%
12	9.834	1157	1164	1173	rVB	102753	179880	5.69%	1.070%
13	9.975	1184	1188	1195	rVB3	21383	34409	1.09%	0.205%
14	10.228	1225	1231	1241	rBV4	43183	123512	3.90%	0.735%
15	10.316	1241	1246	1250	rVV	160970	290112	9.17%	1.726%
16	10.375	1250	1256	1269	rVV	2021339	3164070	100.00%	18.828%
17	10.486	1269	1275	1283	rVB2	126323	218439	6.90%	1.300%
18	10.869	1333	1340	1345	rBV3	42218	77442	2.45%	0.461%
19	11.169	1384	1391	1403	rBB	48155	88773	2.81%	0.528%
20	11.357	1419	1423	1428	rBV2	14696	22354	0.71%	0.133%
21	11.416	1428	1433	1439	rVV2	28717	46135	1.46%	0.275%
22	11.745	1484	1489	1498	rVV2	58622	102087	3.23%	0.607%
23	11.880	1505	1512	1520	rBV5	13014	28222	0.89%	0.168%
24	11.986	1525	1530	1537	rVB	141137	219977	6.95%	1.309%
25	12.116	1546	1552	1556	rVV2	27493	41811	1.32%	0.249%
26	12.210	1560	1568	1576	rVV	344750	554590	17.53%	3.300%
27	12.345	1586	1591	1595	rVV2	13384	19764	0.62%	0.118%
28	12.416	1595	1603	1610	rVV4	24645	53580	1.69%	0.319%
29	13.022	1696	1706	1717	rVB2	84009	158813	5.02%	0.945%
30	13.216	1733	1739	1742	rBV2	12453	19913	0.63%	0.118%
31	13.357	1757	1763	1769	rBV6	38910	95585	3.02%	0.569%
32	13.510	1784	1789	1796	rVV	43002	86837	2.74%	0.517%
33	13.569	1796	1799	1806	rVB2	30459	42229	1.33%	0.251%
34	13.627	1806	1809	1814	rVB	17533	21591	0.68%	0.128%

LSC Area Percent Report

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Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION

35	13.710	1819	1823	1827	rVB2	17810	22904	0.72%	0.136%
36	13.757	1827	1831	1835	rBV3	21219	30455	0.96%	0.181%
37	13.898	1850	1855	1857	rBV	22574	34984	1.11%	0.208%
38	13.921	1857	1859	1866	rVB6	21851	32853	1.04%	0.195%
39	14.204	1894	1907	1912	rBV	292313	449625	14.21%	2.676%
40	14.269	1912	1918	1926	rVB	625308	870406	27.51%	5.179%
41	14.363	1926	1934	1938	rBV	64106	104304	3.30%	0.621%
42	14.416	1938	1943	1952	rVV	168481	283580	8.96%	1.687%
43	14.492	1952	1956	1959	rVV	33329	47851	1.51%	0.285%
44	14.533	1959	1963	1970	rVV3	23826	42707	1.35%	0.254%
45	14.610	1970	1976	1981	rVV	303898	440072	13.91%	2.619%
46	14.657	1981	1984	1991	rVV5	12874	22165	0.70%	0.132%
47	14.727	1991	1996	2000	rVV	38461	62936	1.99%	0.375%
48	14.786	2000	2006	2014	rVB8	20468	48309	1.53%	0.287%
49	15.016	2039	2045	2051	rBV3	15915	25698	0.81%	0.153%
50	15.133	2058	2065	2073	rBV2	37267	84571	2.67%	0.503%
51	15.204	2073	2077	2081	rVV	33132	50243	1.59%	0.299%
52	15.263	2081	2087	2095	rVB2	305757	430515	13.61%	2.562%
53	15.392	2104	2109	2110	rBV4	14011	19335	0.61%	0.115%
54	15.421	2110	2114	2121	rVB2	63793	115233	3.64%	0.686%
55	15.515	2121	2130	2135	rBV4	34127	85467	2.70%	0.509%
56	15.615	2143	2147	2152	rVV2	32708	44778	1.42%	0.266%
57	15.668	2152	2156	2160	rVV3	26451	45792	1.45%	0.272%
58	15.710	2160	2163	2169	rVB4	33729	58732	1.86%	0.349%
59	15.780	2169	2175	2181	rBV4	14456	27030	0.85%	0.161%
60	15.986	2202	2210	2219	rVV3	207872	540659	17.09%	3.217%
61	16.057	2219	2222	2224	rVV2	22453	29392	0.93%	0.175%
62	16.110	2224	2231	2238	rVV	247452	465299	14.71%	2.769%
63	16.174	2239	2242	2244	rVV	39117	57512	1.82%	0.342%
64	16.198	2244	2246	2250	rVV2	35339	46656	1.47%	0.278%
65	16.274	2250	2259	2266	rVV2	224030	524115	16.56%	3.119%
66	16.551	2301	2306	2310	rBV	51063	81669	2.58%	0.486%
67	16.686	2323	2329	2333	rBV2	23824	44326	1.40%	0.264%
68	16.762	2337	2342	2344	rBV2	43132	62468	1.97%	0.372%
69	16.786	2344	2346	2350	rVV2	34362	42629	1.35%	0.254%
70	16.862	2350	2359	2362	rVV2	63978	134655	4.26%	0.801%
71	16.898	2362	2365	2369	rVV3	50703	92546	2.92%	0.551%

LSC Area Percent Report

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Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Title : SVOA CALIBRATION

72	16.968	2371	2377	2380	rVV	406430	617388	19.51%	3.674%
73	17.009	2380	2384	2389	rVV	360904	509637	16.11%	3.033%
74	17.068	2389	2394	2397	rVV2	50104	84863	2.68%	0.505%
75	17.127	2397	2404	2407	rVV2	58976	123245	3.90%	0.733%
76	17.168	2407	2411	2418	rVB4	56620	108028	3.41%	0.643%
77	17.233	2418	2422	2427	rBV2	20170	28599	0.90%	0.170%
78	17.386	2437	2448	2455	rBV	371360	581958	18.39%	3.463%
79	17.462	2455	2461	2462	rBV3	24118	33947	1.07%	0.202%
80	17.492	2462	2466	2473	rVV2	50280	86066	2.72%	0.512%
81	17.557	2473	2477	2485	rVB	57730	92673	2.93%	0.551%
82	17.821	2515	2522	2527	rBV3	31098	67591	2.14%	0.402%
83	17.898	2530	2535	2540	rBV3	64390	93262	2.95%	0.555%
84	17.986	2546	2550	2555	rVV	38594	50940	1.61%	0.303%
85	18.039	2555	2559	2567	rVB5	25180	50768	1.60%	0.302%
86	18.145	2572	2577	2583	rBV3	73682	142899	4.52%	0.850%
87	18.256	2592	2596	2599	rBV5	16399	26899	0.85%	0.160%
88	18.298	2600	2603	2610	rVV3	22776	39472	1.25%	0.235%
89	18.427	2620	2625	2632	rBV7	18175	41921	1.32%	0.249%
90	18.827	2689	2693	2702	rVB	85917	134214	4.24%	0.799%
91	19.033	2720	2728	2734	rBV2	45226	92107	2.91%	0.548%
92	19.151	2742	2748	2757	rBV2	46028	81474	2.57%	0.485%
93	19.374	2781	2786	2789	rBV	54631	77617	2.45%	0.462%
94	19.750	2846	2850	2853	rBV	25387	35572	1.12%	0.212%
95	19.839	2861	2865	2869	rVV	16541	25125	0.79%	0.150%
96	19.892	2869	2874	2881	rVB	96562	136939	4.33%	0.815%
97	20.533	2979	2983	2994	rVB	96702	165279	5.22%	0.983%
98	21.180	3088	3093	3102	rBV	522061	631333	19.95%	3.757%
99	21.368	3123	3125	3130	rBV5	12319	20152	0.64%	0.120%
100	23.368	3460	3465	3478	rVB	260380	485443	15.34%	2.889%

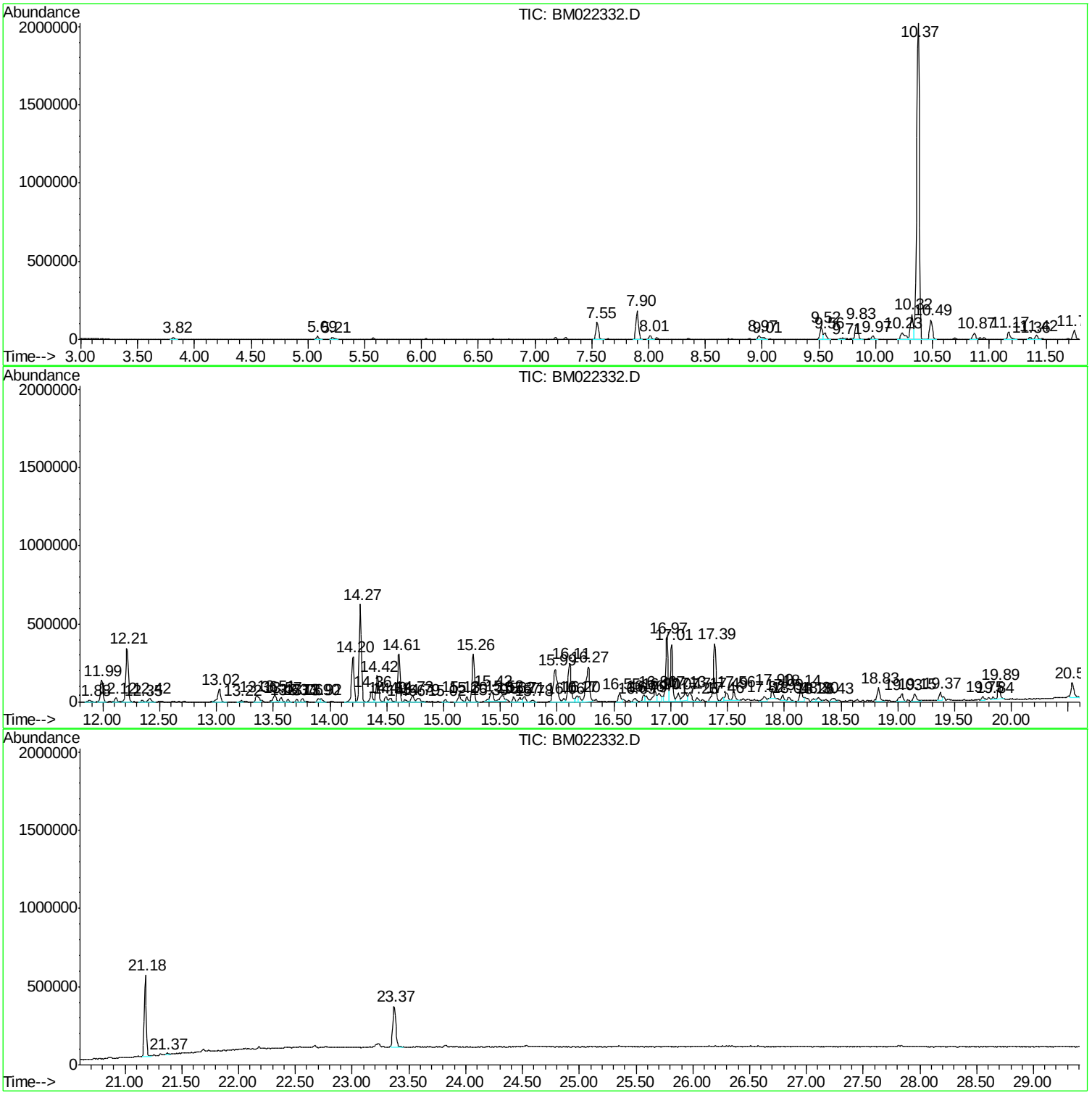
Sum of corrected areas: 16805262

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
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Misc :
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Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

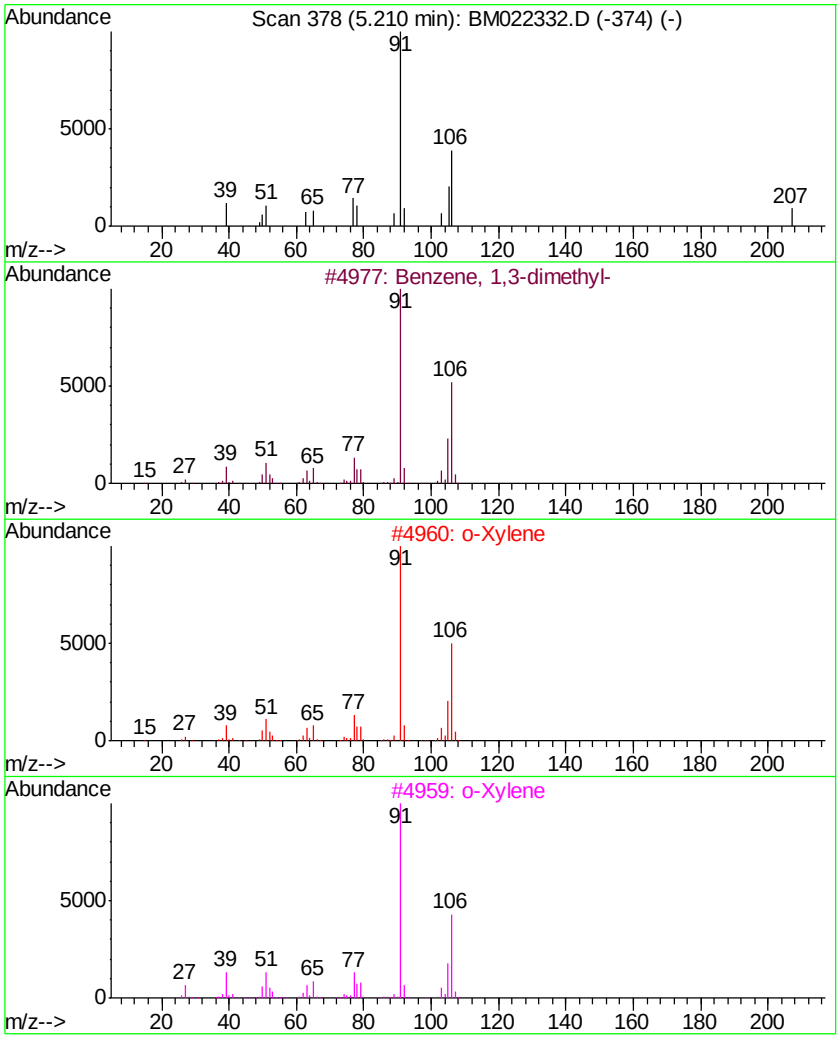
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

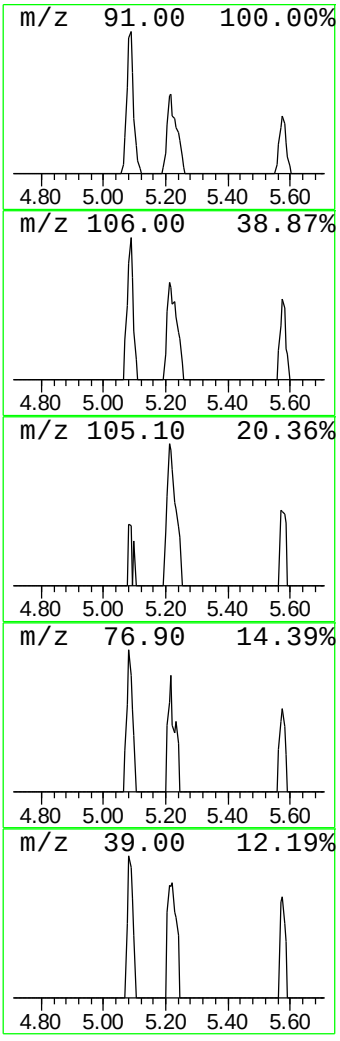
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	2.89 ng/ul	24920	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	87
2	o-Xylene	106	C8H10	000095-47-6	87
3	o-Xylene	106	C8H10	000095-47-6	87
4	p-Xylene	106	C8H10	000106-42-3	87
5	p-Xylene	106	C8H10	000106-42-3	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

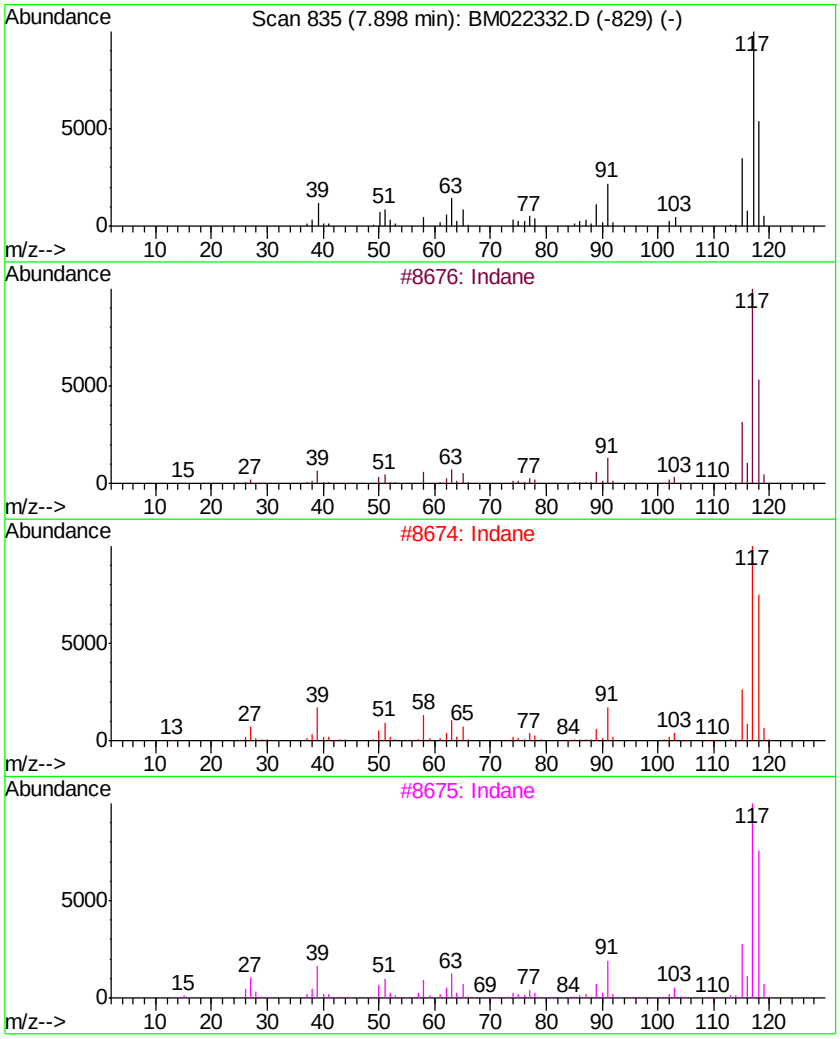
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

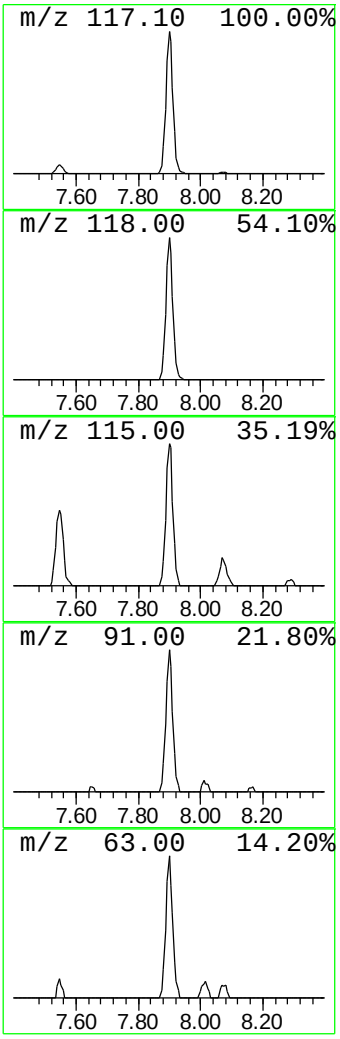
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	32.66 ng/ul	282000	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Indane	118	C9H10	000496-11-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

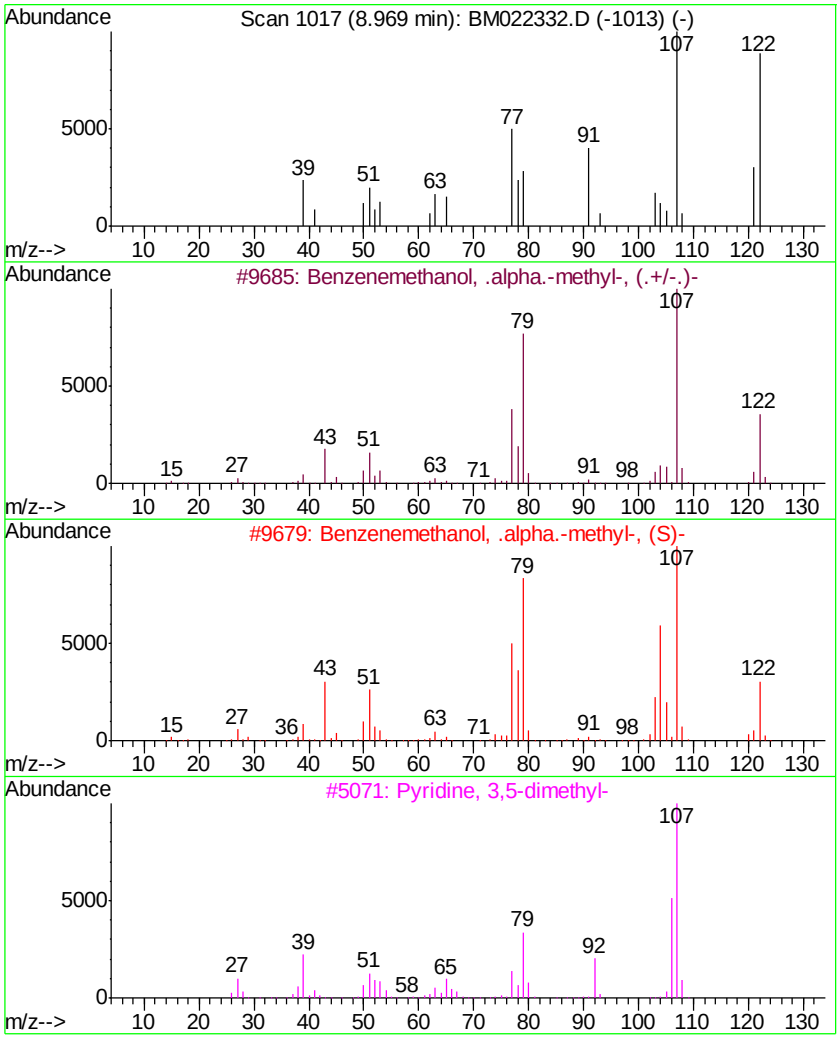
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

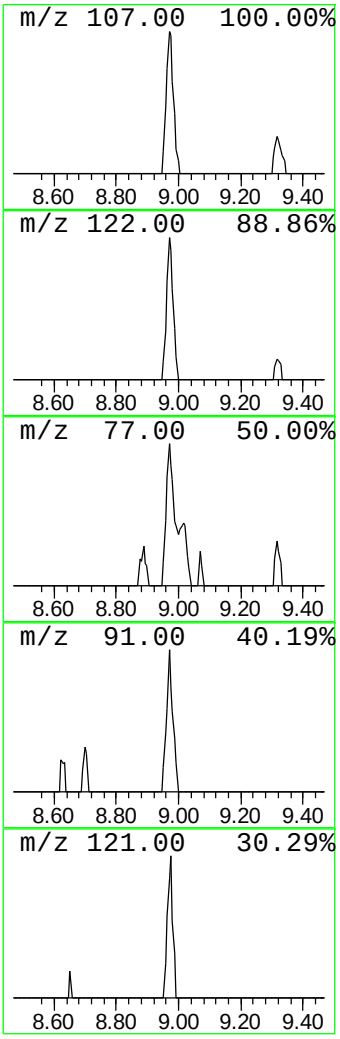
****

Peak Number 5 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	2.98 ng/ul	43269	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	013323-81-4	42
2	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	001445-91-6	37
3	Pyridine, 3,5-dimethyl-	107	C7H9N	000591-22-0	35
4	2-Chloro-5,5-dimethyl-1-phenyl-3...	236	C14H17ClO	212687-74-6	32
5	Benzenemethanol, .alpha.-(bromom...	200	C8H9BrO	002425-28-7	32





Library Search Compound Report

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Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

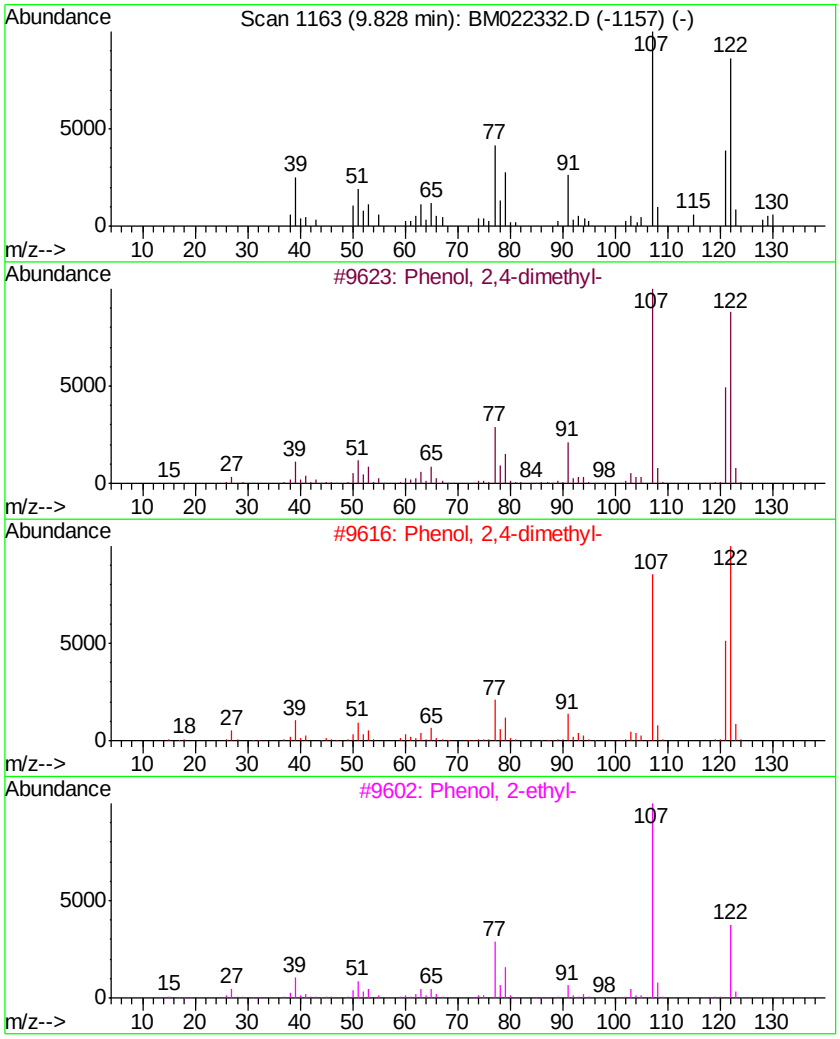
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

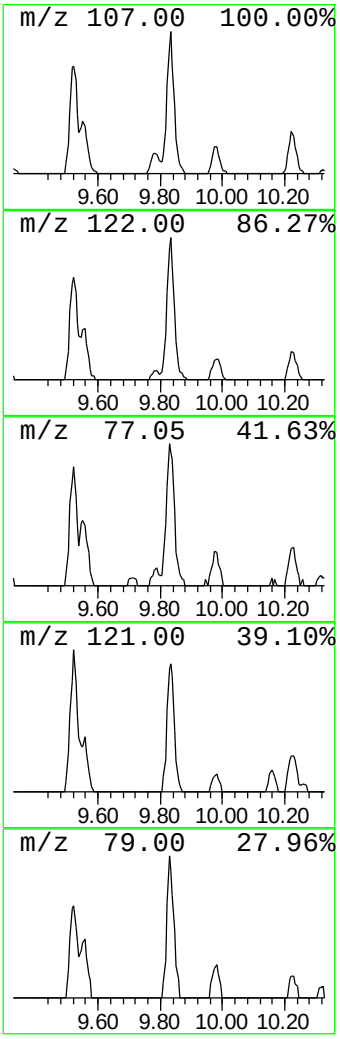
****

Peak Number 6 Phenol, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	12.40 ng/ul	179880	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	94
2	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	94
3	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	93
4	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	93
5	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

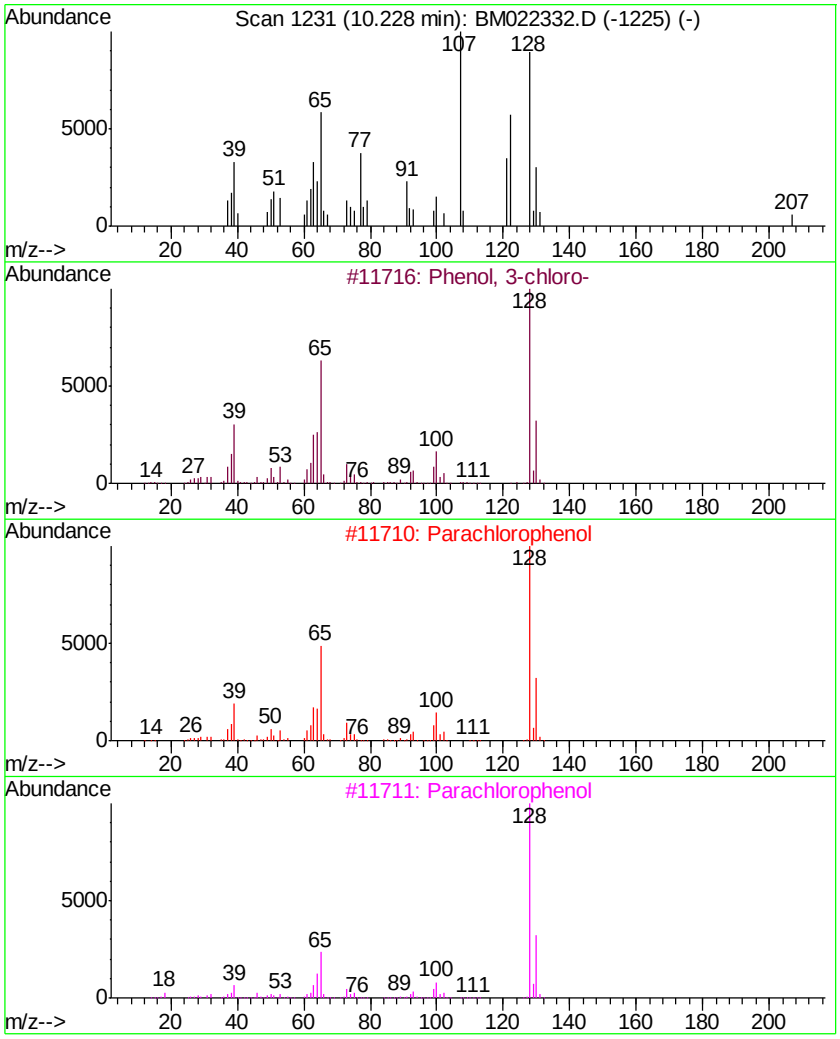
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

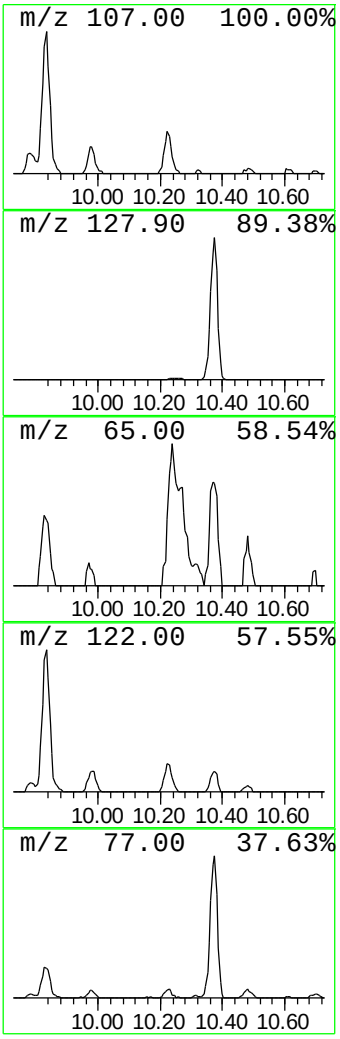
****

Peak Number 7 Phenol, 3-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	8.51 ng/ul	123512	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	90
2	Parachlorophenol	128	C6H5ClO	000106-48-9	64
3	Parachlorophenol	128	C6H5ClO	000106-48-9	49
4	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	49
5	3-Chloro-6-methylpyridazine	128	C5H5ClN2	001121-79-5	43





Library Search Compound Report

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Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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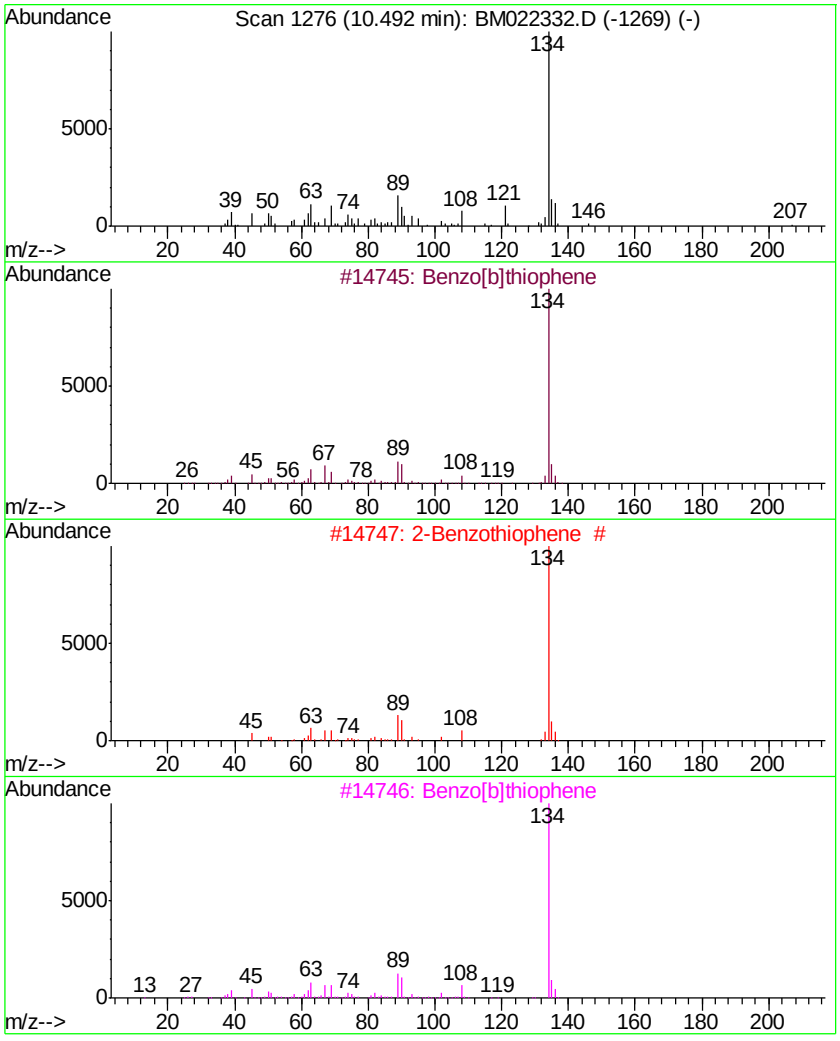
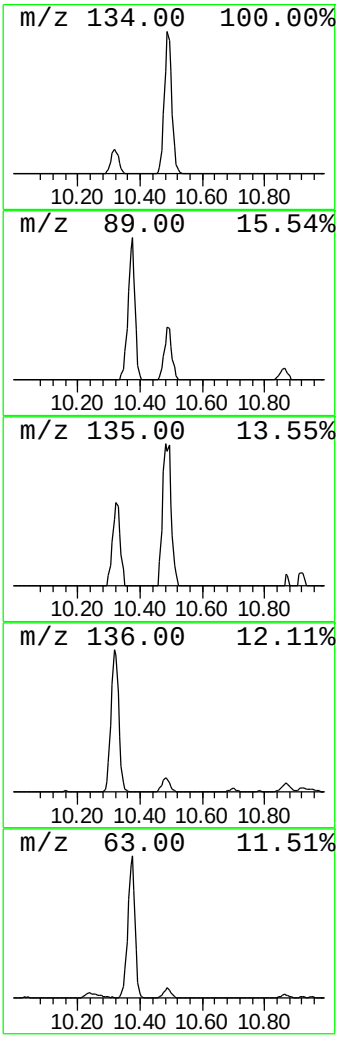
Peak Number 8 Benzo[b]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	15.06 ng/ul	218439	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	87
2	2-Benzothiophene #	134	C8H6S	000270-82-6	87
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	81
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	74
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	74





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Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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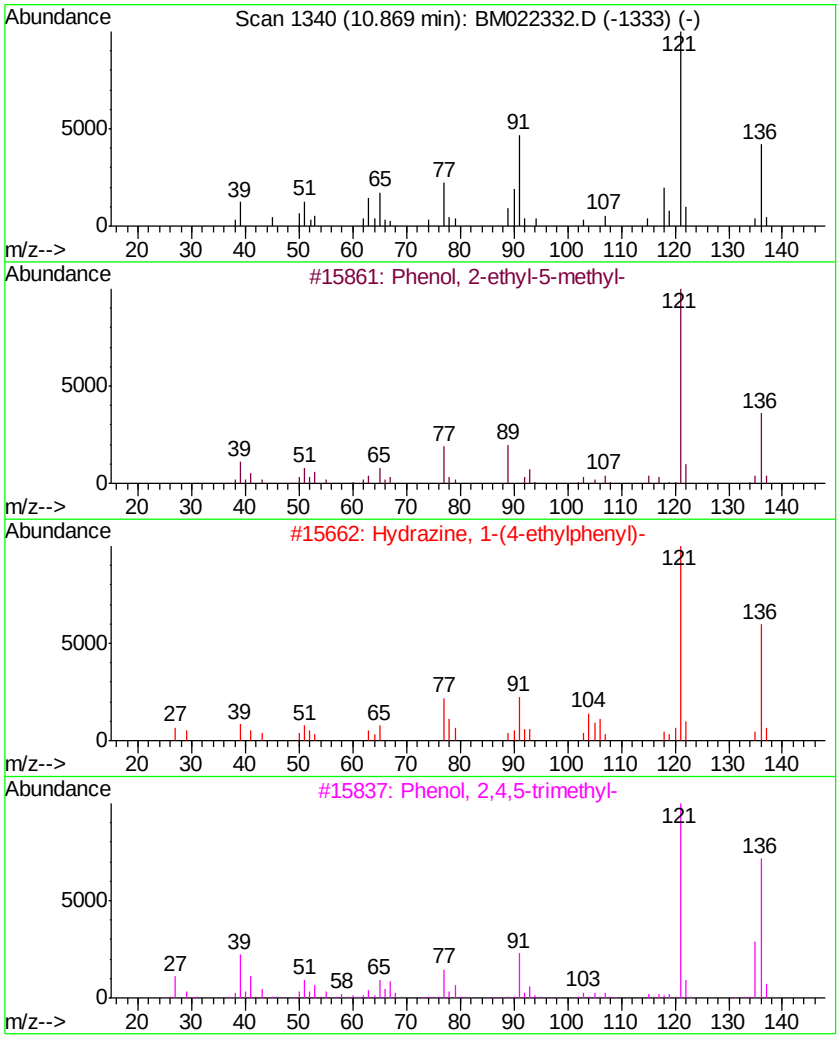
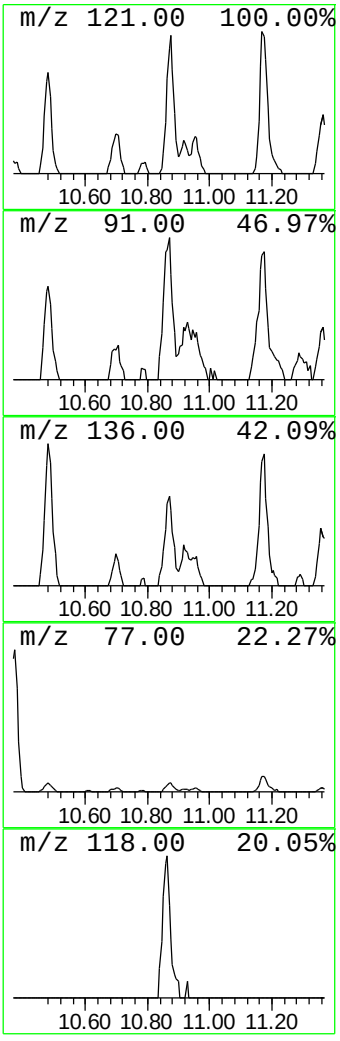
Peak Number 9 Phenol, 2-ethyl-5-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	5.34 ng/ul	77442	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	76
2	Hydrazine, 1-(4-ethylphenyl)-	136	C8H12N2	054840-34-5	72
3	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	68
4	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	64
5	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	64





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Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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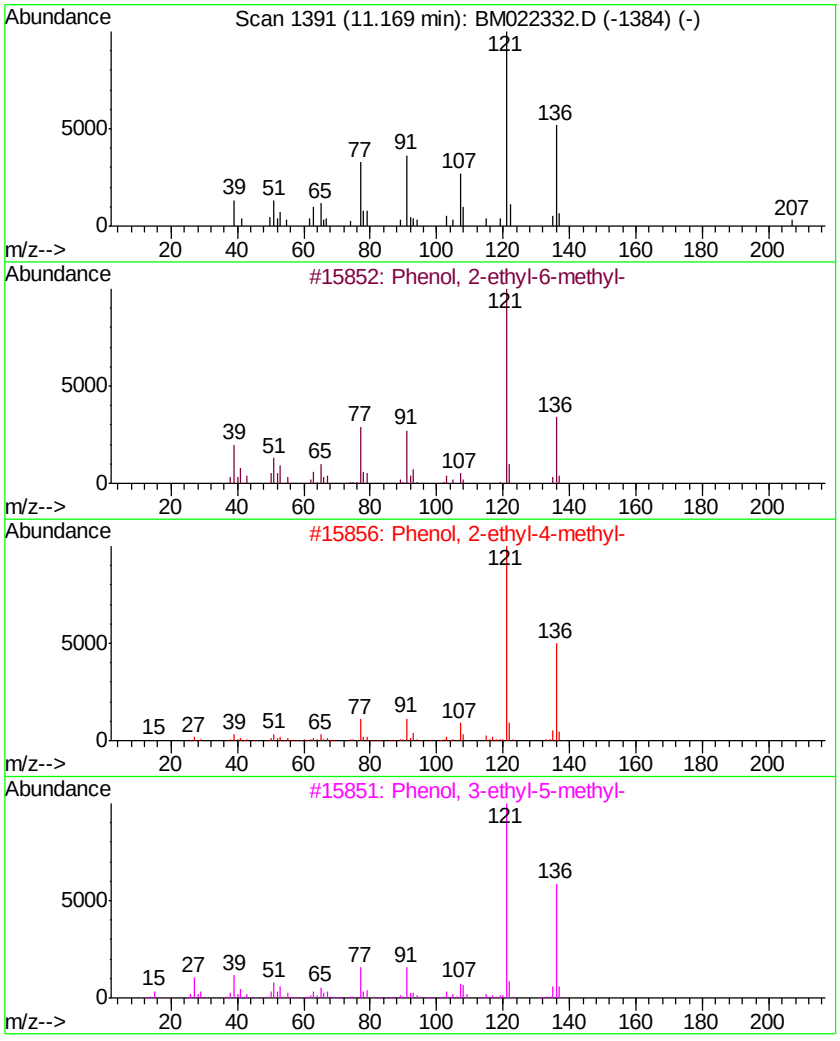
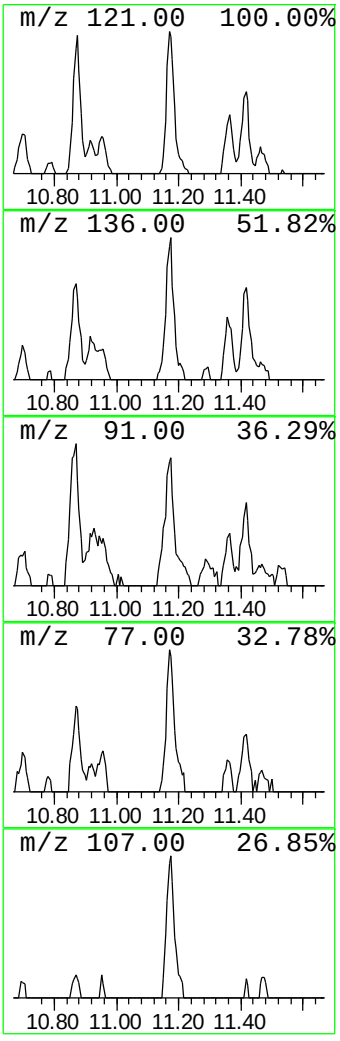
Peak Number 10 Phenol, 2-ethyl-6-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.12 ng/ul	88773	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	87
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	87
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	80
4	Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	80
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	76





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Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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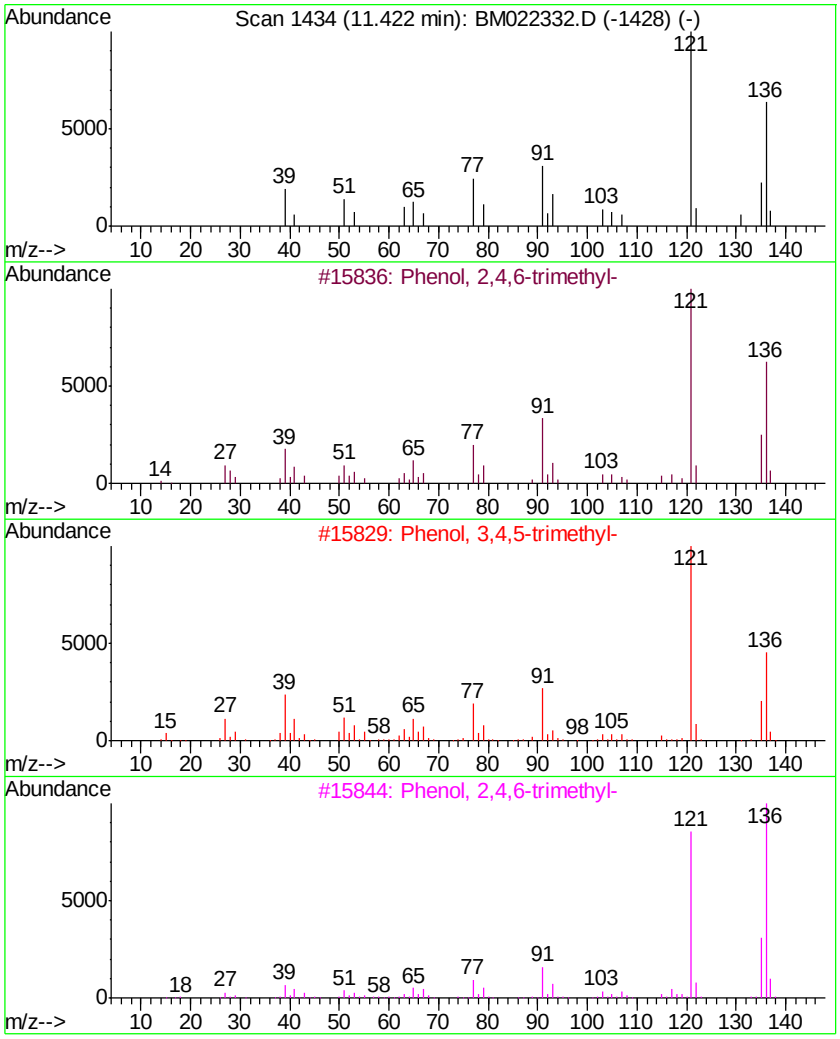
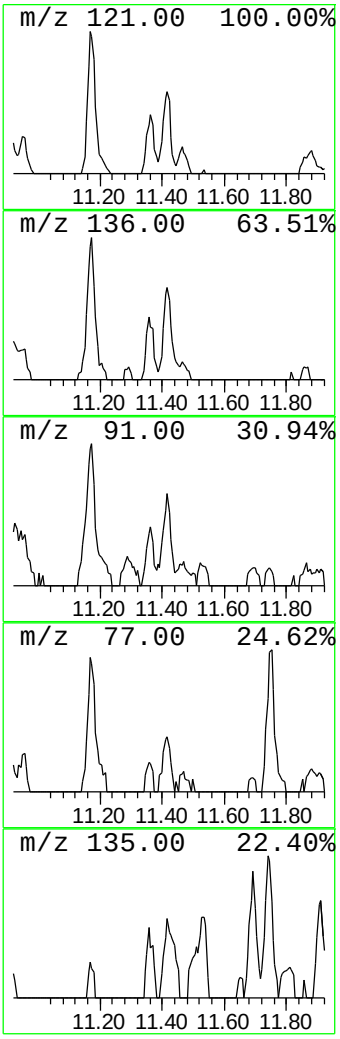
Peak Number 11 Phenol, 2,4,6-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	3.18 ng/ul	46135	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	96
2	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	93
3	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	93
4	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	87
5	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	87





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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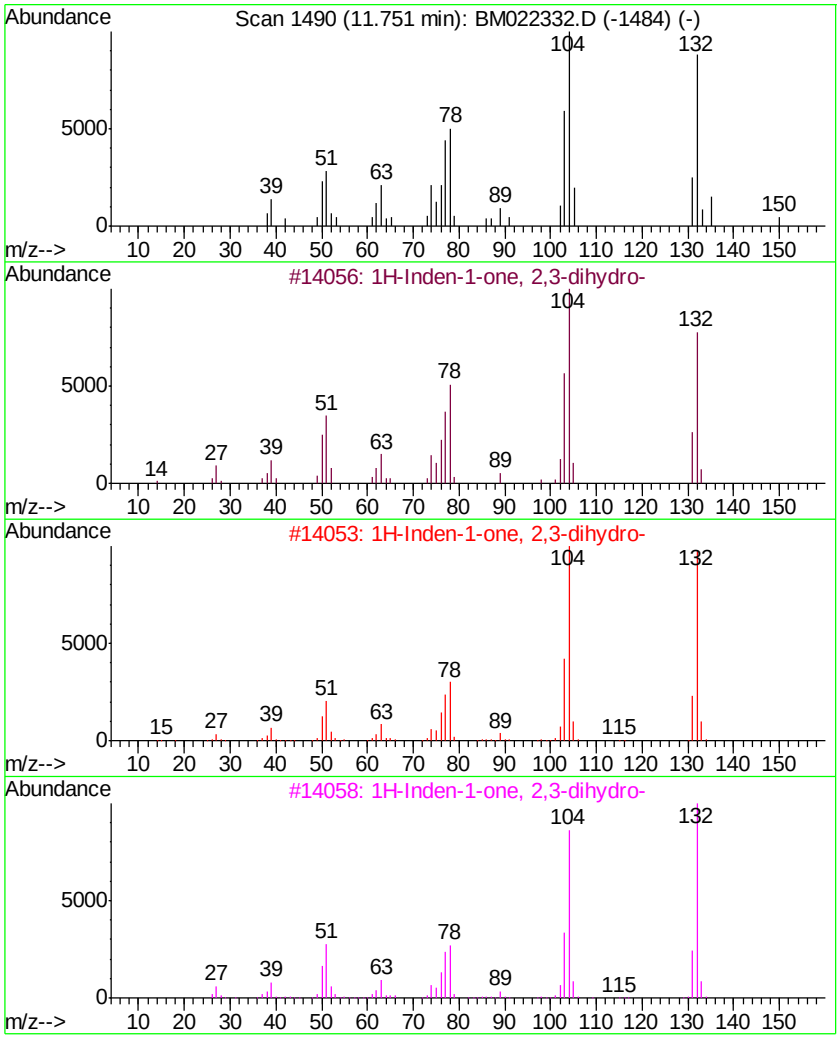
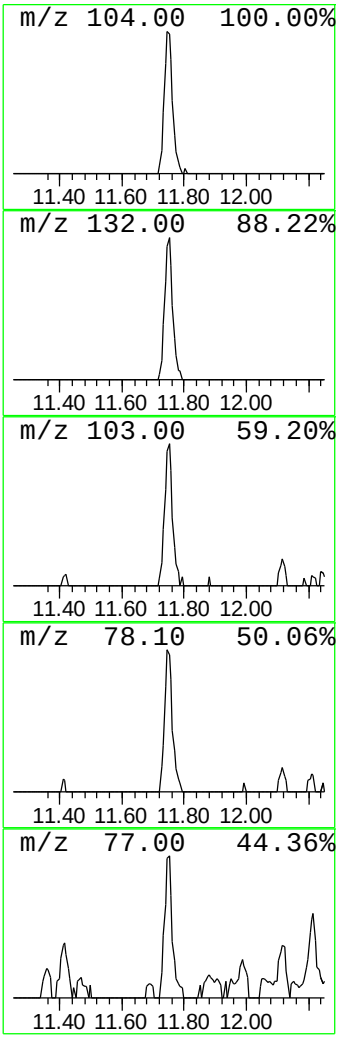
Peak Number 12 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	7.04 ng/ul	102087	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	98
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	94
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	93
4	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	50
5	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	50





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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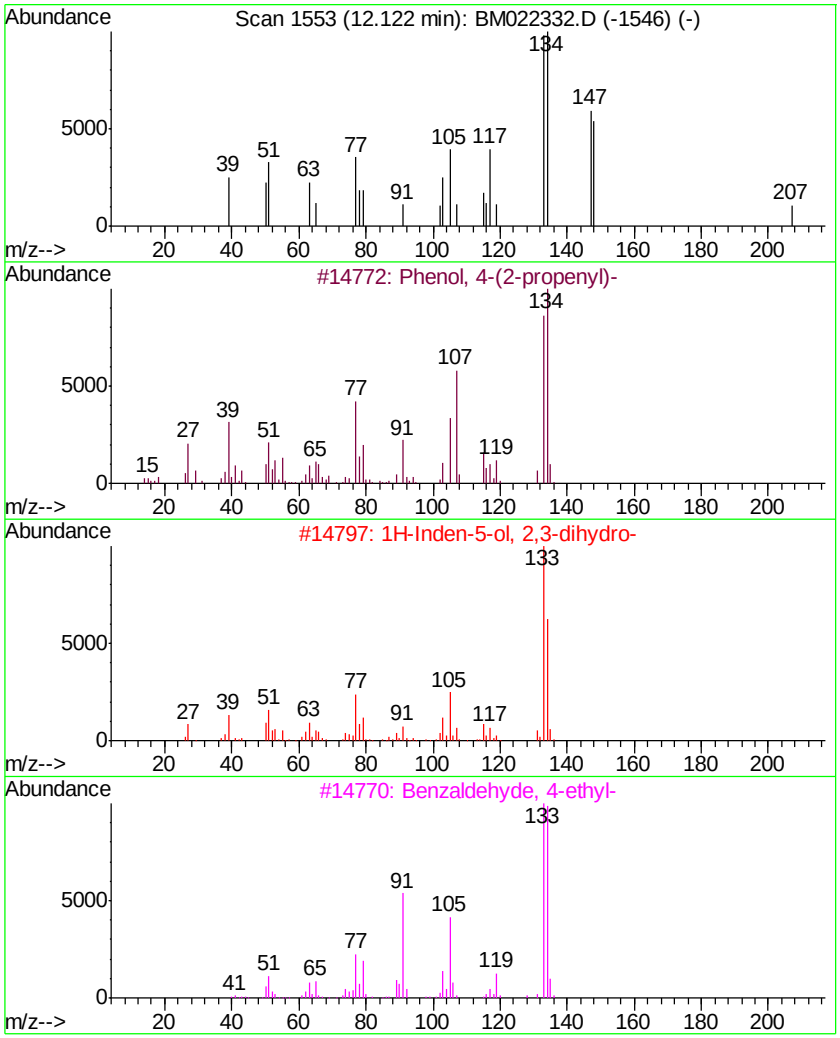
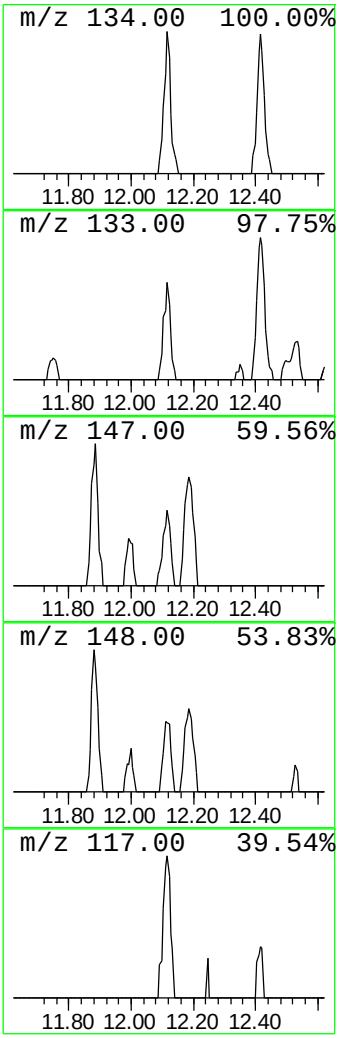
Peak Number 13 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.88 ng/ul	41811	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	46
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	43
3	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	43
4	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	43
5	1,4-Benzenedicarboxaldehyde	134	C8H6O2	000623-27-8	38





Library Search Compound Report

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Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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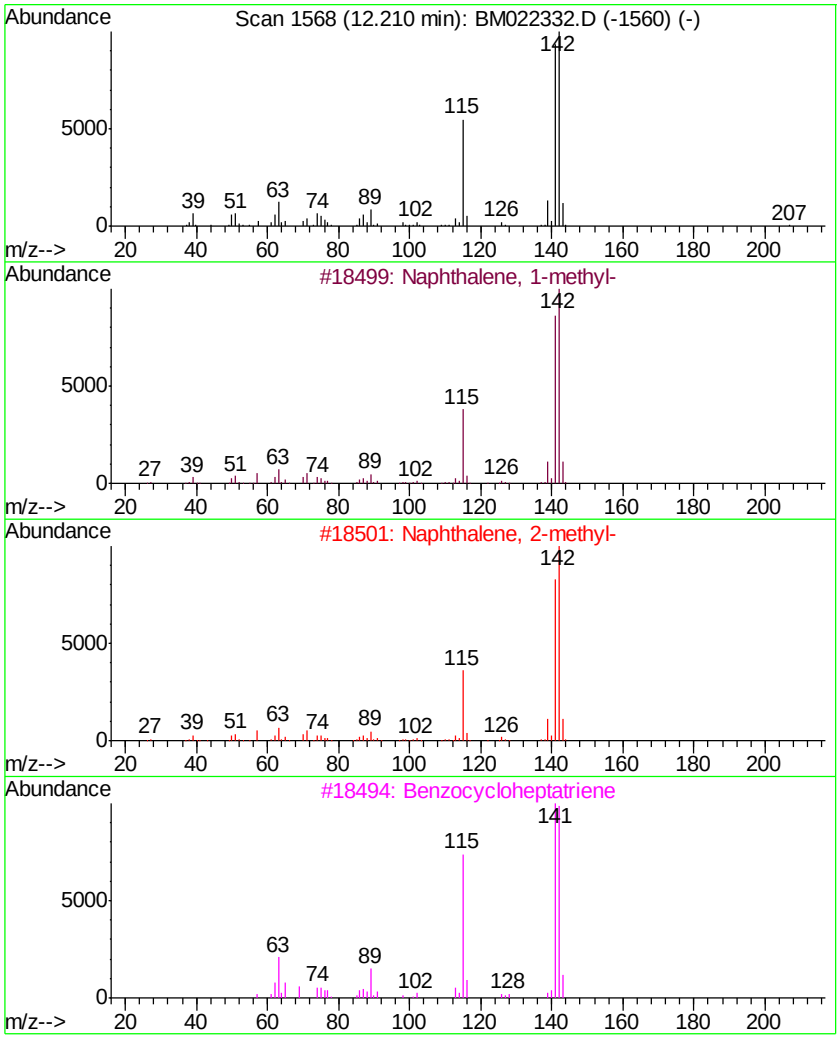
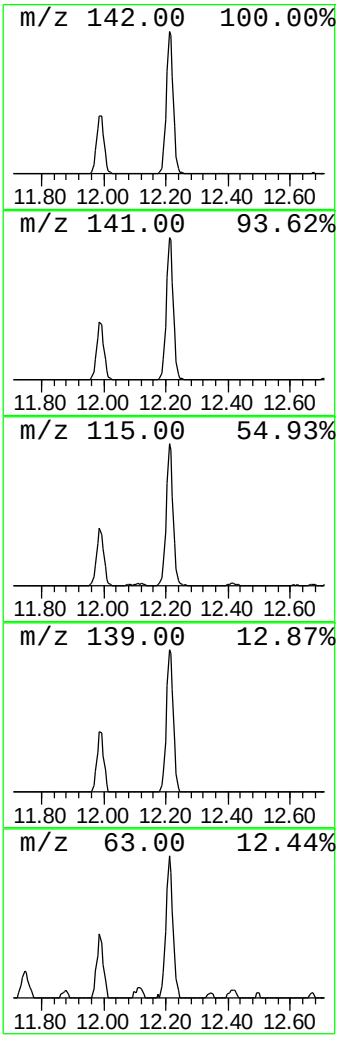
Peak Number 14 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	38.23 ng/ul	554590	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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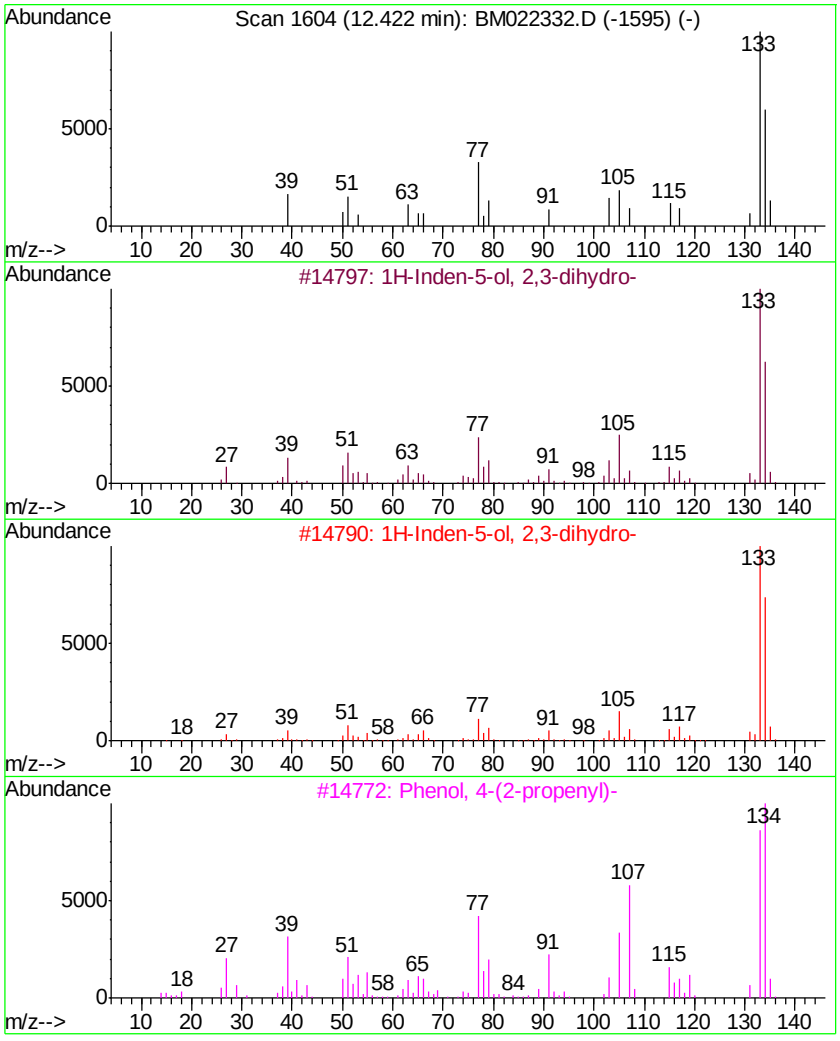
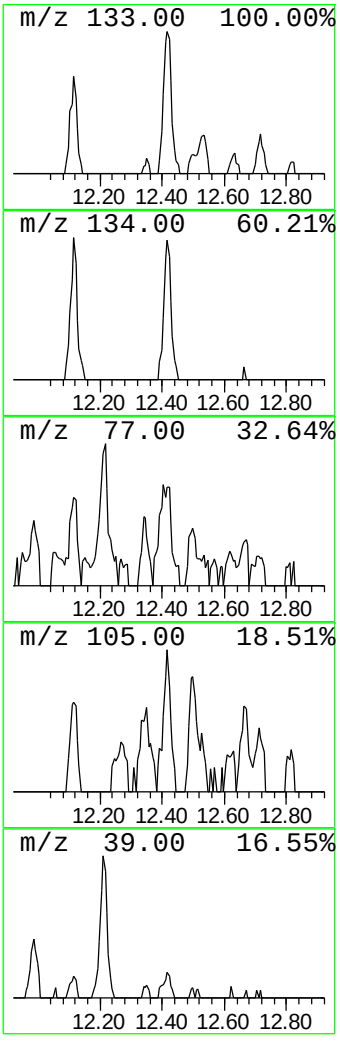
Peak Number 15 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.38 ng/ul	53580	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	97
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	72
3	Phenol, 4-(2-propenyl)-	134	C9H10O	000501-92-8	70
4	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	59
5	Tetrahydroquinoxaline	134	C8H10N2	003476-89-9	53





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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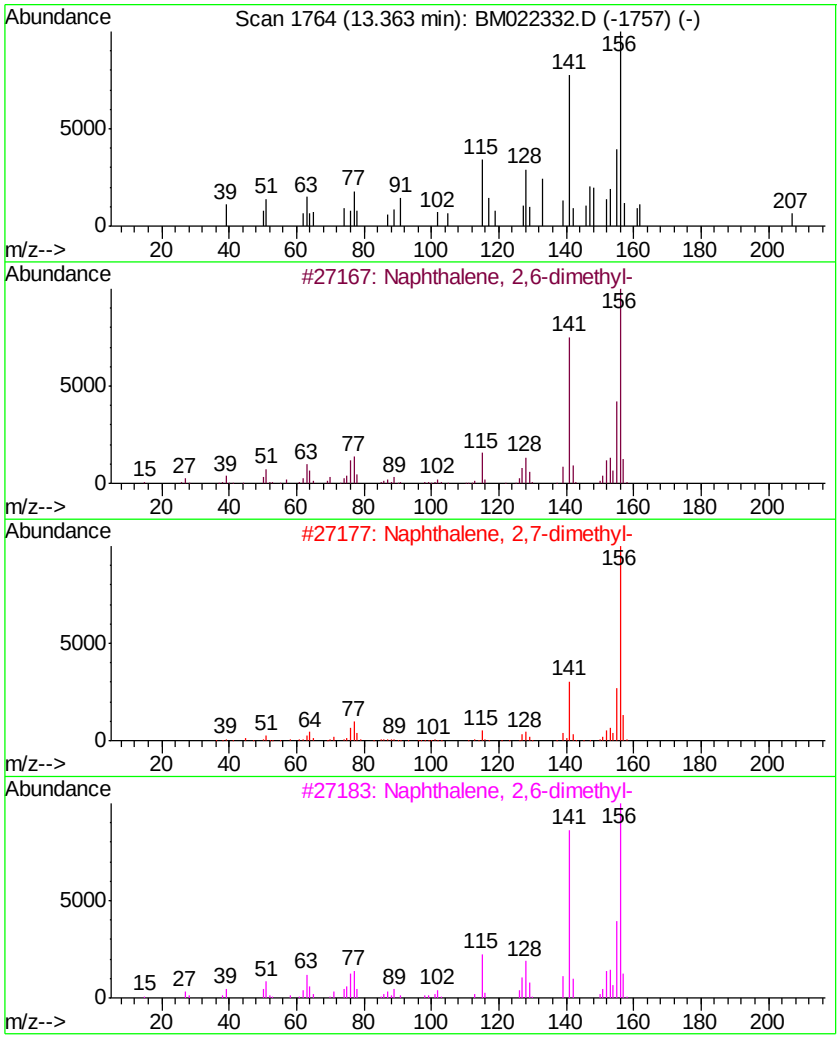
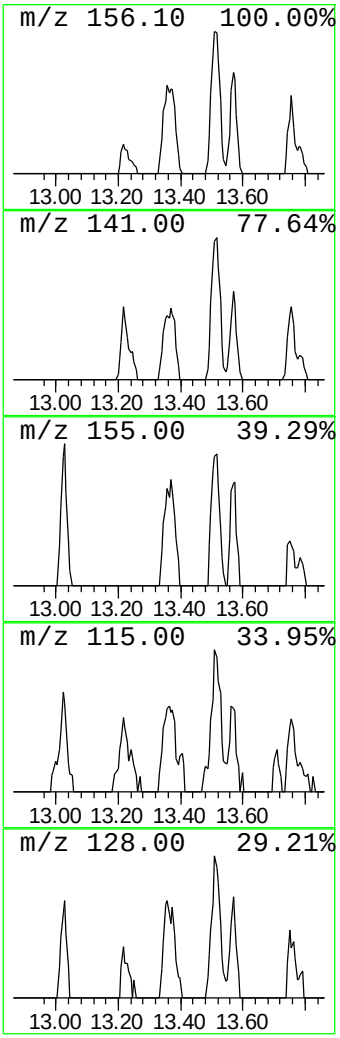
Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	4.25 ng/ul	95585	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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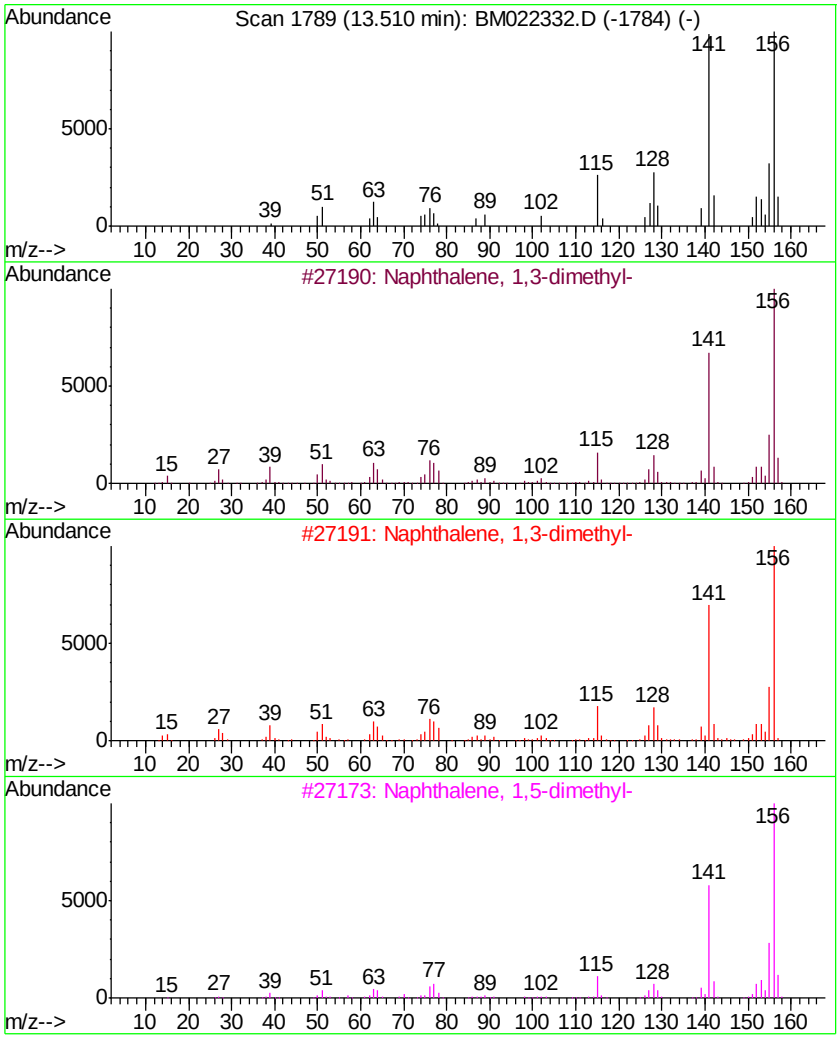
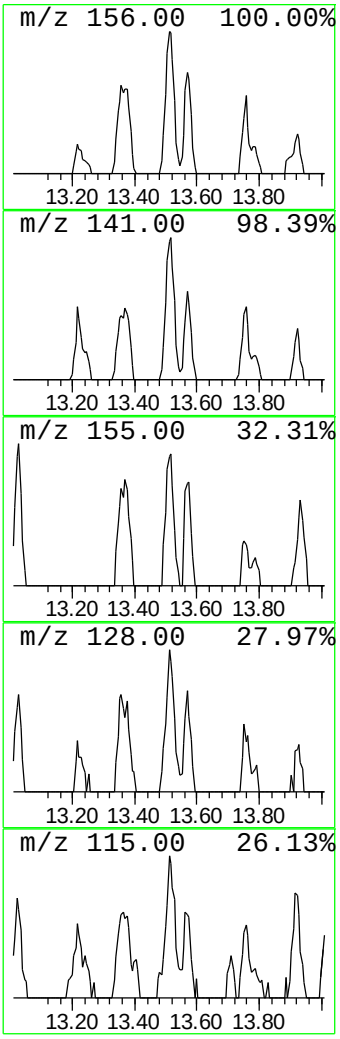
Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	3.86 ng/ul	86837	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 18 2-Naphthalenecarbonitrile Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	4.64 ng/ul	104304	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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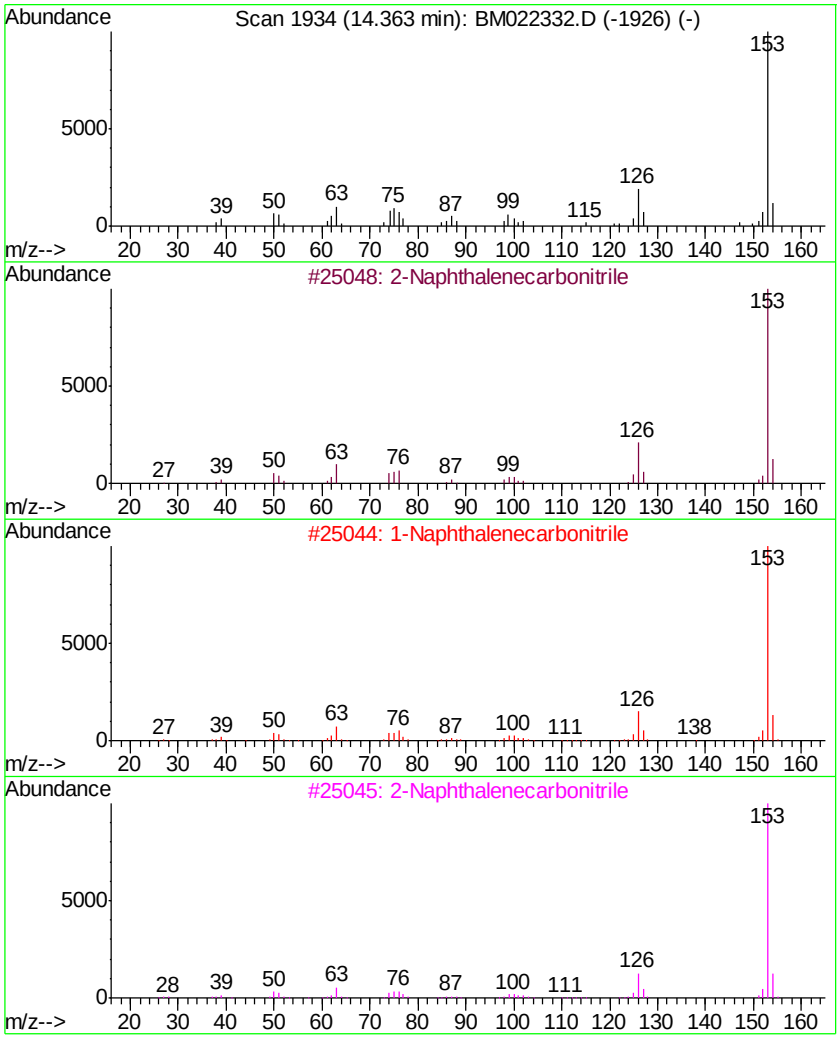
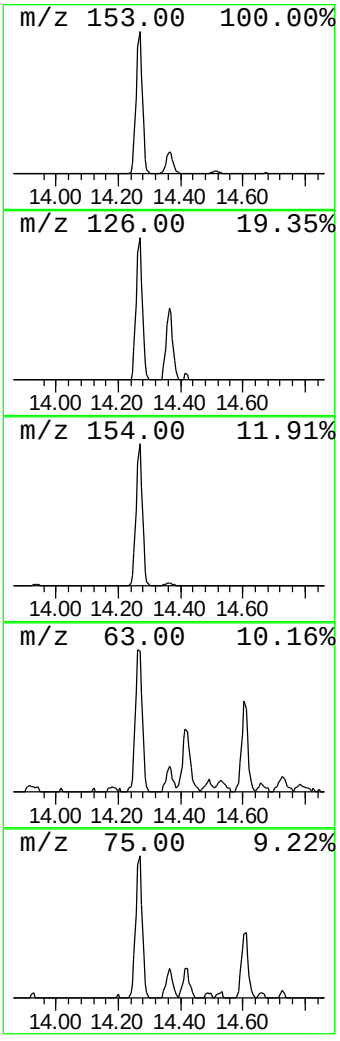
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	90





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Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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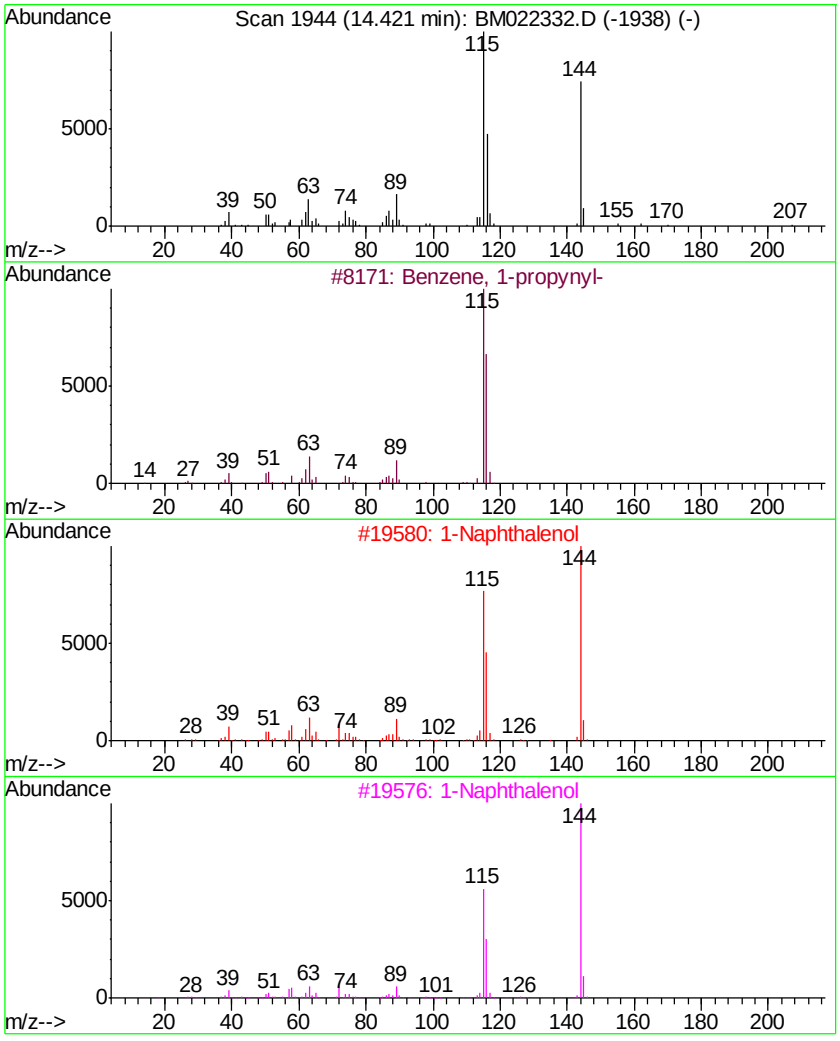
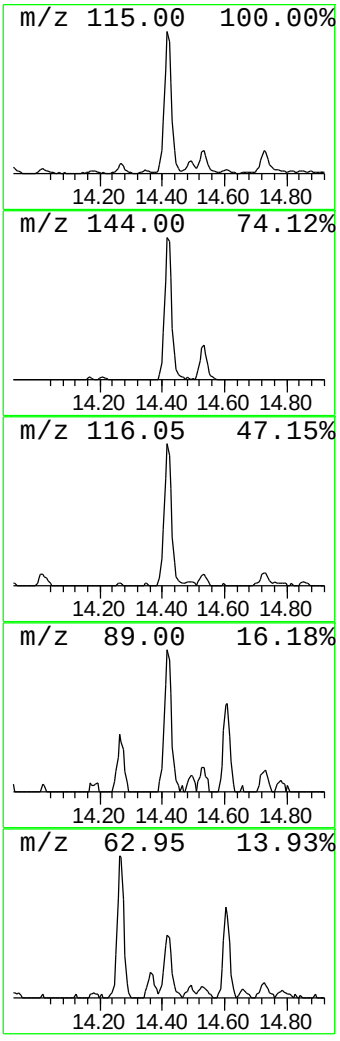
Peak Number 19 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	12.61 ng/ul	283580	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	1-Naphthalenol	144	C10H8O	000090-15-3	94
3	1-Naphthalenol	144	C10H8O	000090-15-3	91
4	1-Naphthalenol	144	C10H8O	000090-15-3	91
5	2-Naphthalenol	144	C10H8O	000135-19-3	87





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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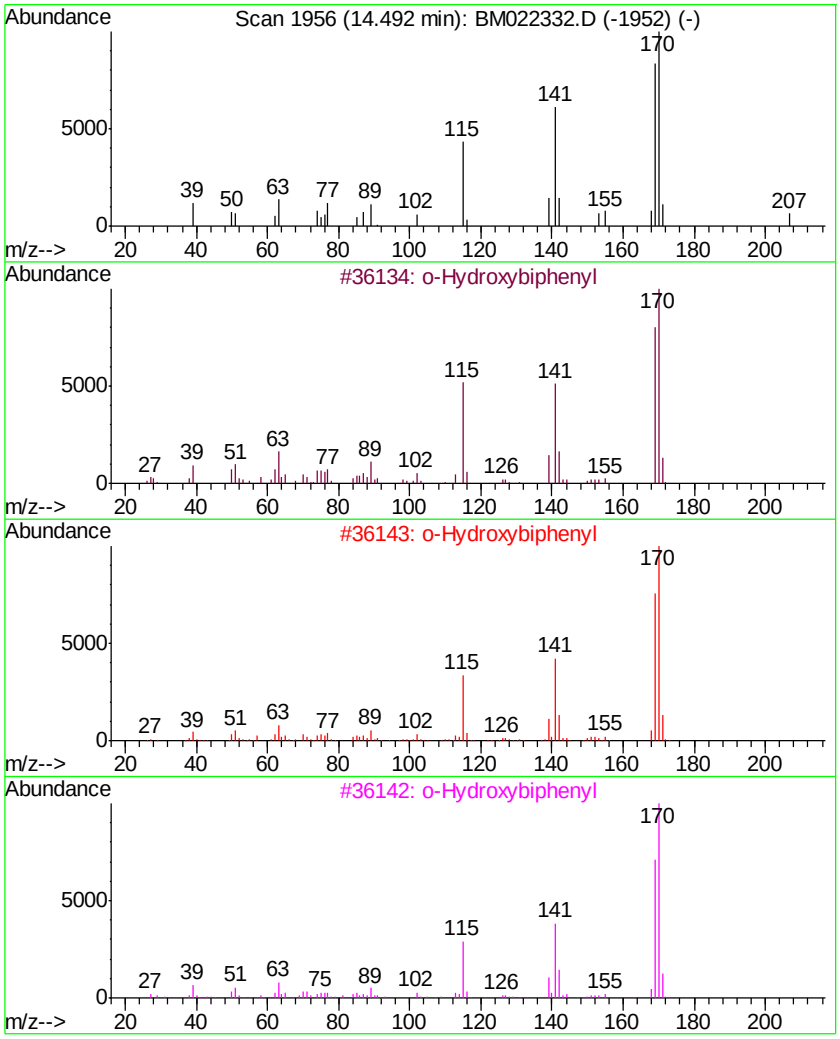
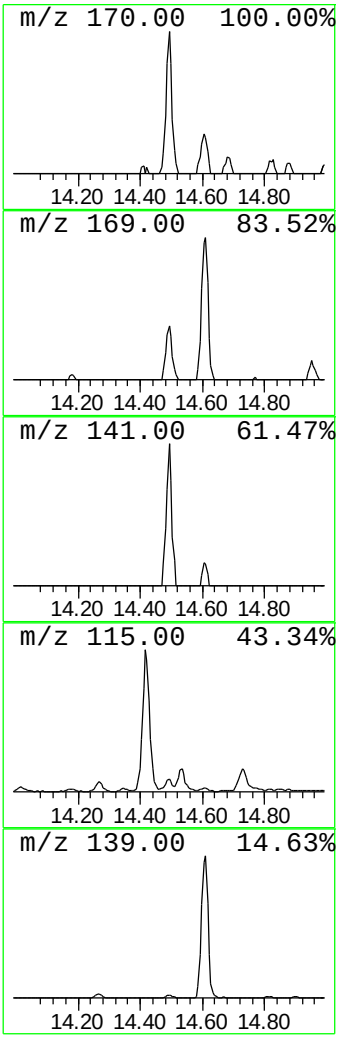
Peak Number 20 o-Hydroxybiphenyl Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.13 ng/ul	47851	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	94
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	91
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	90
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	87
5	1-Naphthalenecarboxaldehyde, 4-m...	170	C12H10O	033738-48-6	72





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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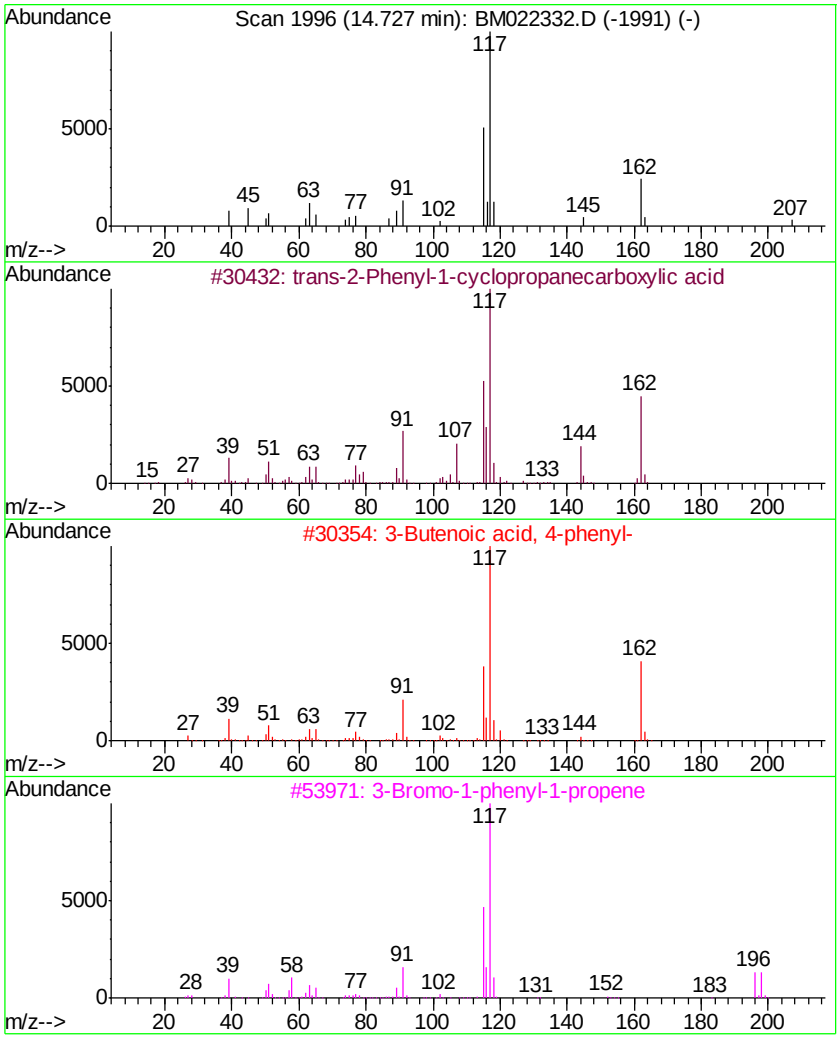
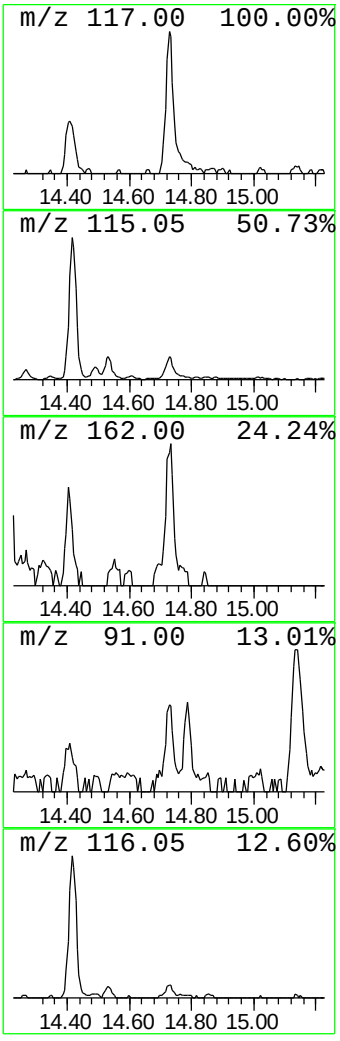
Peak Number 21 trans-2-Phenyl-1-cyclopropa... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.80 ng/ul	62936	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	72
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	64
3	3-Bromo-1-phenyl-1-propene	196	C9H9Br	004392-24-9	64
4	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	59
5	Benzene, (3-chloroallyl)-	152	C9H9Cl	006268-37-7	59





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Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

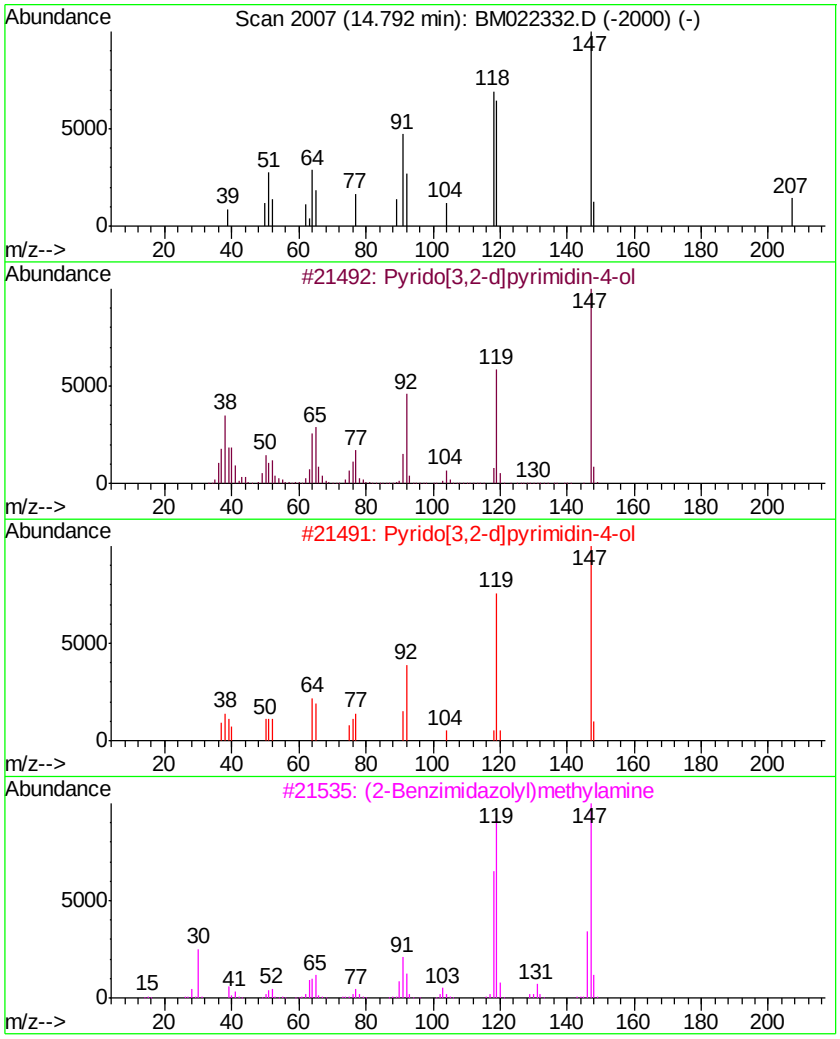
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

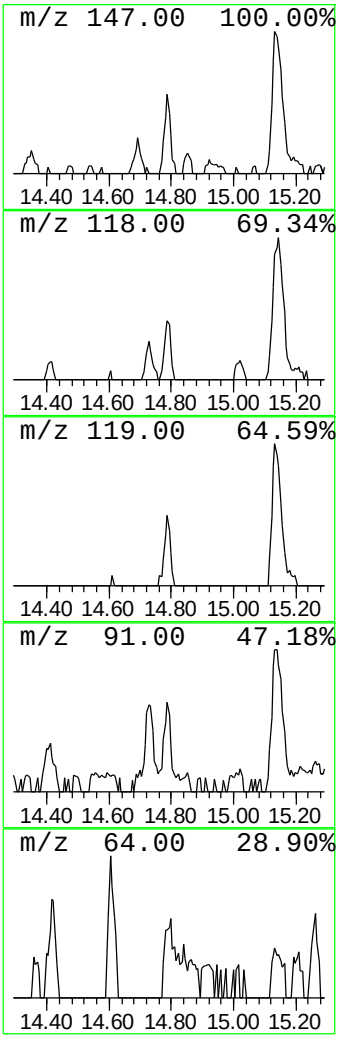
****

Peak Number 22 Pyrido[3,2-d]pyrimidin-4-ol Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	2.15 ng/ul	48309	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[3,2-d]pyrimidin-4-ol	147	C7H5N3O	037538-67-3	60
2	Pyrido[3,2-d]pyrimidin-4-ol	147	C7H5N3O	037538-67-3	60
3	(2-Benzimidazolyl)methylamine	147	C8H9N3	005805-57-2	58
4	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	52
5	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	47





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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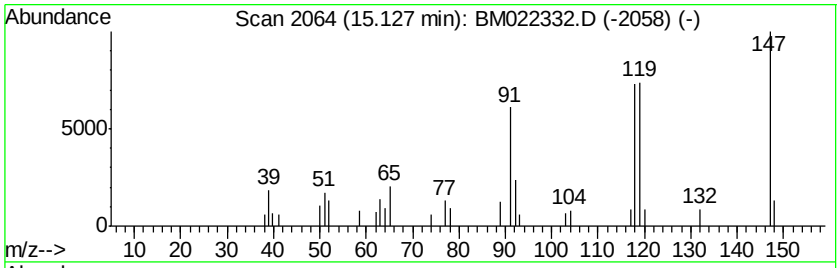
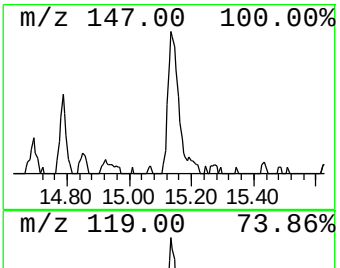
Peak Number 23 2,6-Dimethylphenyl isocyanate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	3.76 ng/ul	84571	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	90
2	2H-Indol-2-one, 1,3-dihydro-1-me...	147	C9H9NO	000061-70-1	64
3	2H-Indol-2-one, 1,3-dihydro-1-me...	147	C9H9NO	000061-70-1	64
4	5,6-Dimethyl-1H-benzotriazole	147	C8H9N3	004184-79-6	58
5	2-Naphthalenamine, 5,6,7,8-tetra...	147	C10H13N	002217-43-8	50





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Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
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ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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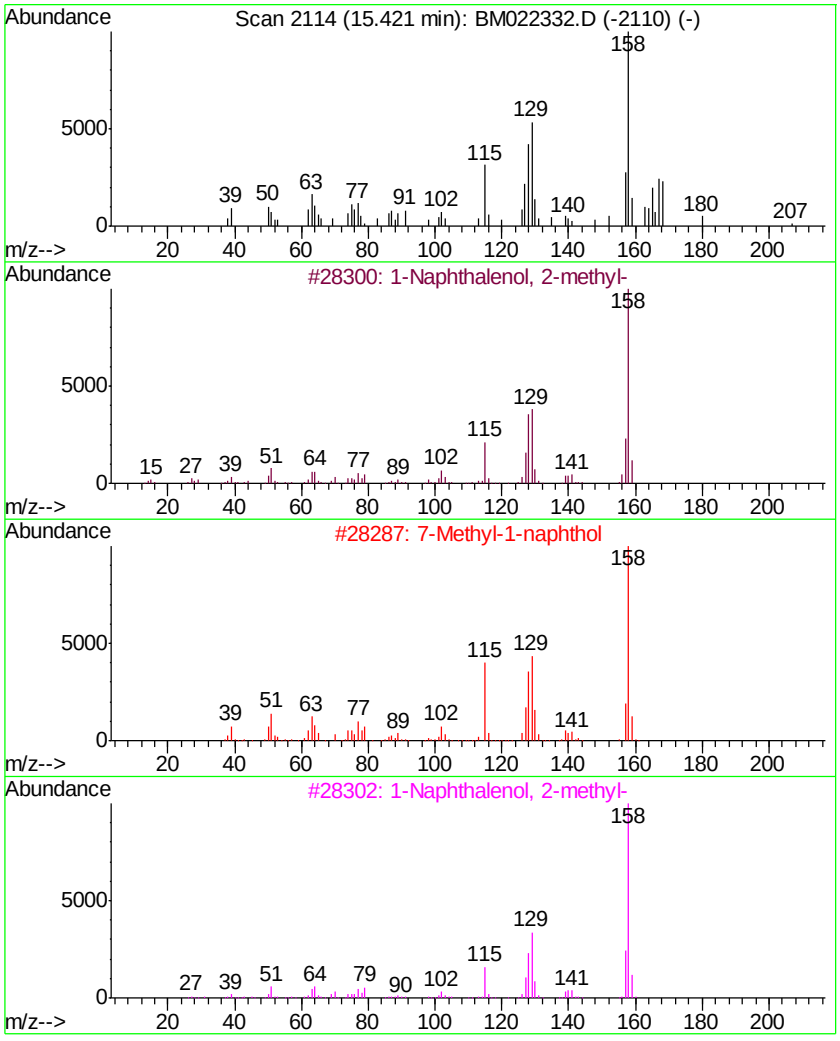
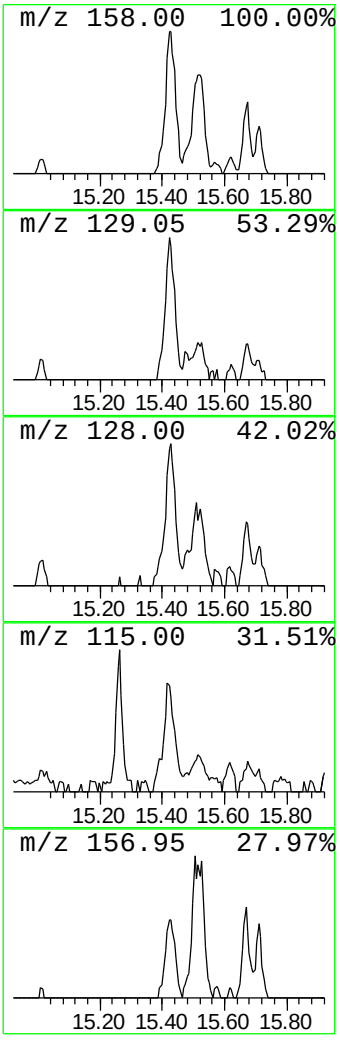
Peak Number 24 1-Naphthalenol, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.13 ng/ul	115233	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	86
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	83
3	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	70
4	1-Naphthalenemethanol	158	C11H10O	004780-79-4	64
5	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	62





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Sample : K4373-19DL 20X
Misc :
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Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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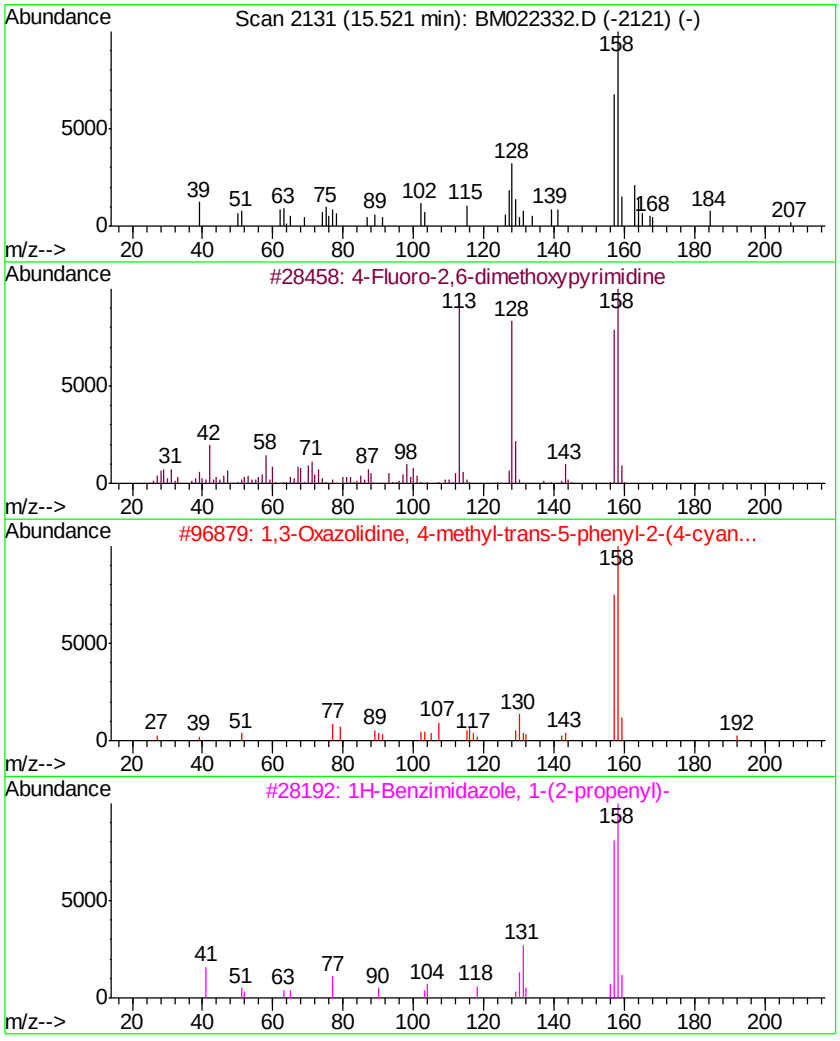
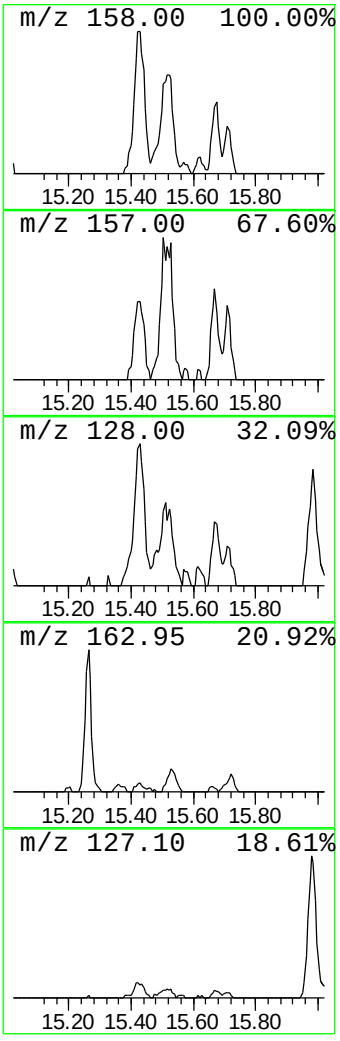
Peak Number 25 4-Fluoro-2,6-dimethoxypyrim... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	3.80 ng/ul	85467	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Fluoro-2,6-dimethoxypyrimidine	158	C6H7FN2O2	000658-87-7	53
2	1,3-Oxazolidine, 4-methyl-trans-...	264	C17H16N2O	1000138-86-9	47
3	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	47
4	Benzaldehyde, 2,6-difluoro-3-hyd...	158	C7H4F2O2	152434-88-3	47
5	1-Naphthalenol, 4-methyl-	158	C11H10O	010240-08-1	38





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 26 1-Naphthalenecarboxylic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	17.51 ng/ul	540659	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
2	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	90
3	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	86
4	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	86
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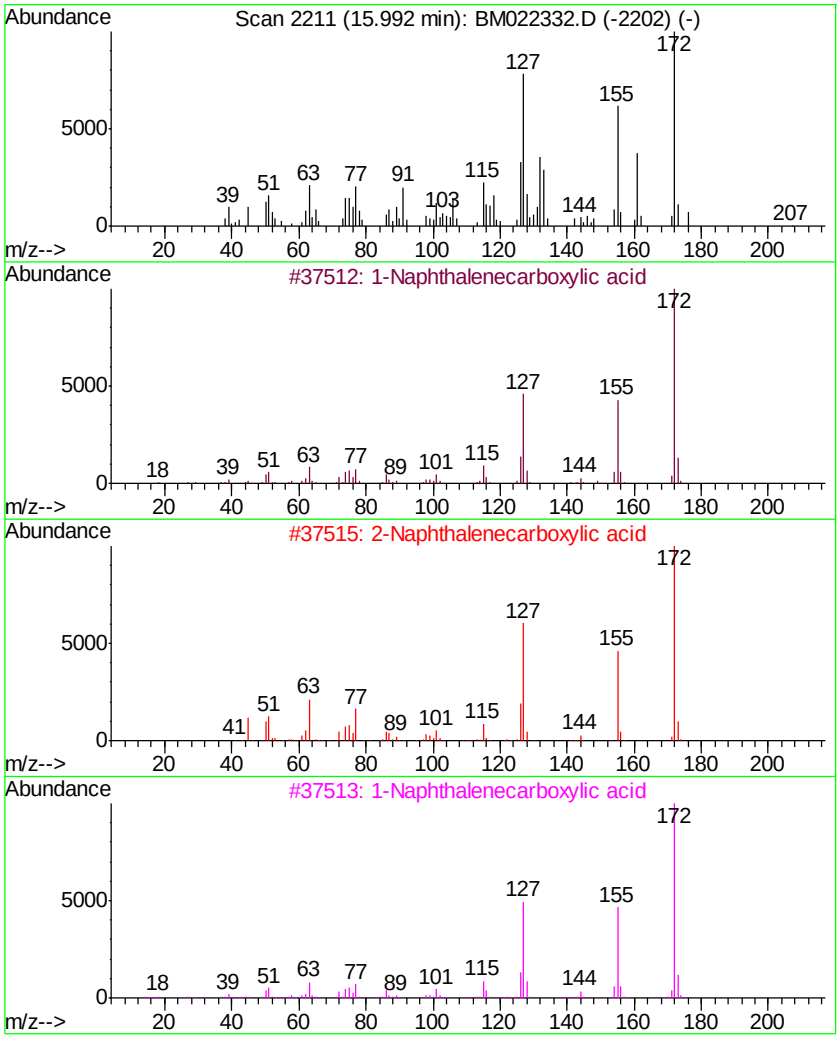

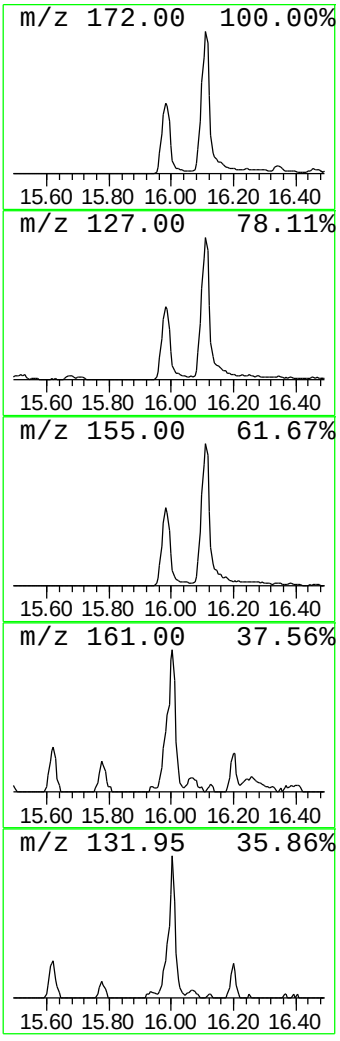

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Sample : K4373-19DL 20X
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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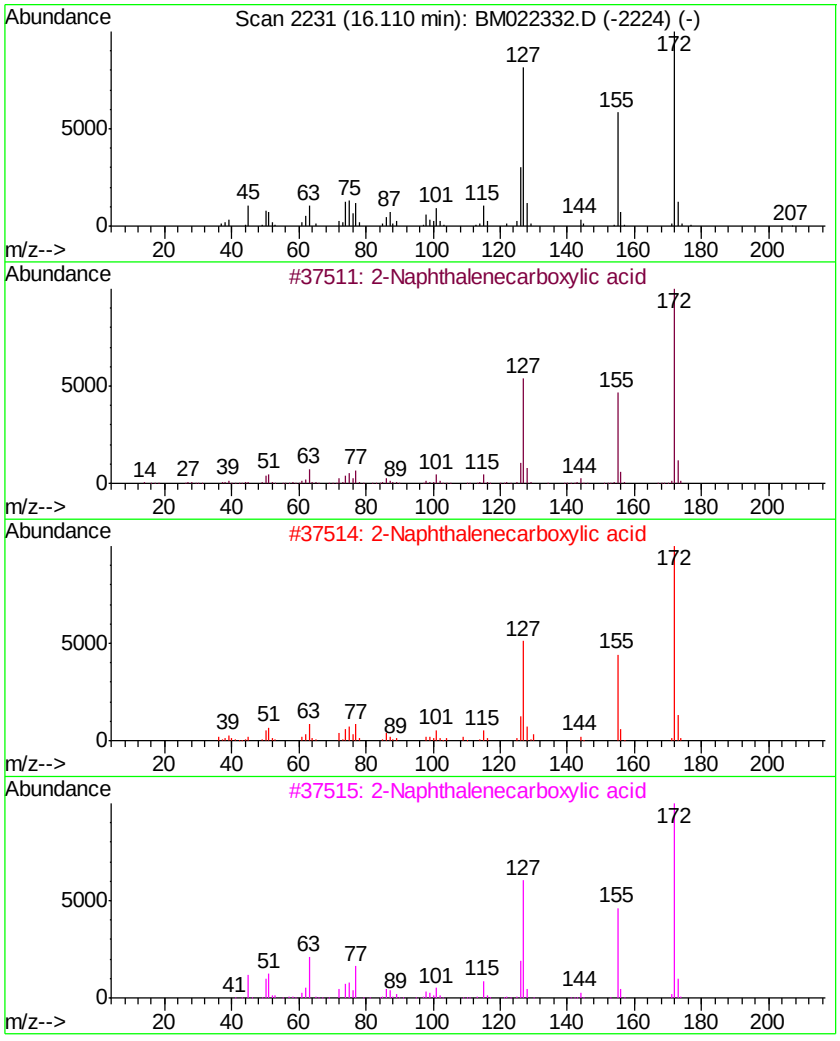
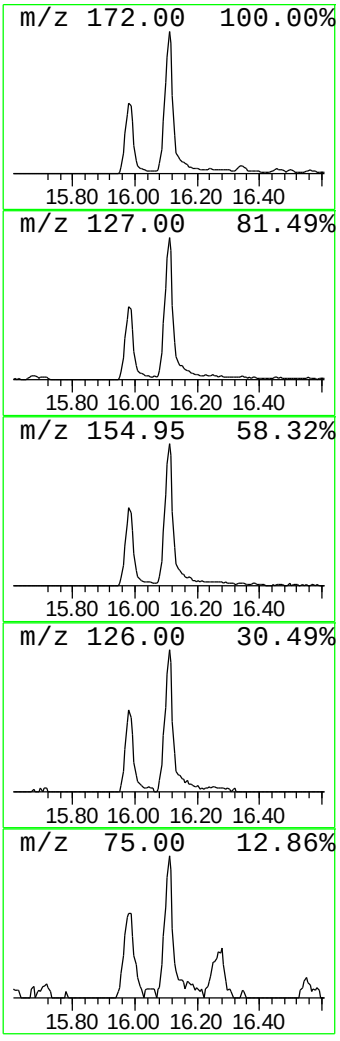
Peak Number 27 2-Naphthalenecarboxylic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	15.07 ng/ul	465299	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	95
2	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
3	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	93
4	1-Naphthalenecarboxylic acid	172	C11H8O2	000086-55-5	93
5	2-Naphthalenecarboxylic acid	172	C11H8O2	000093-09-4	90





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Misc :
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ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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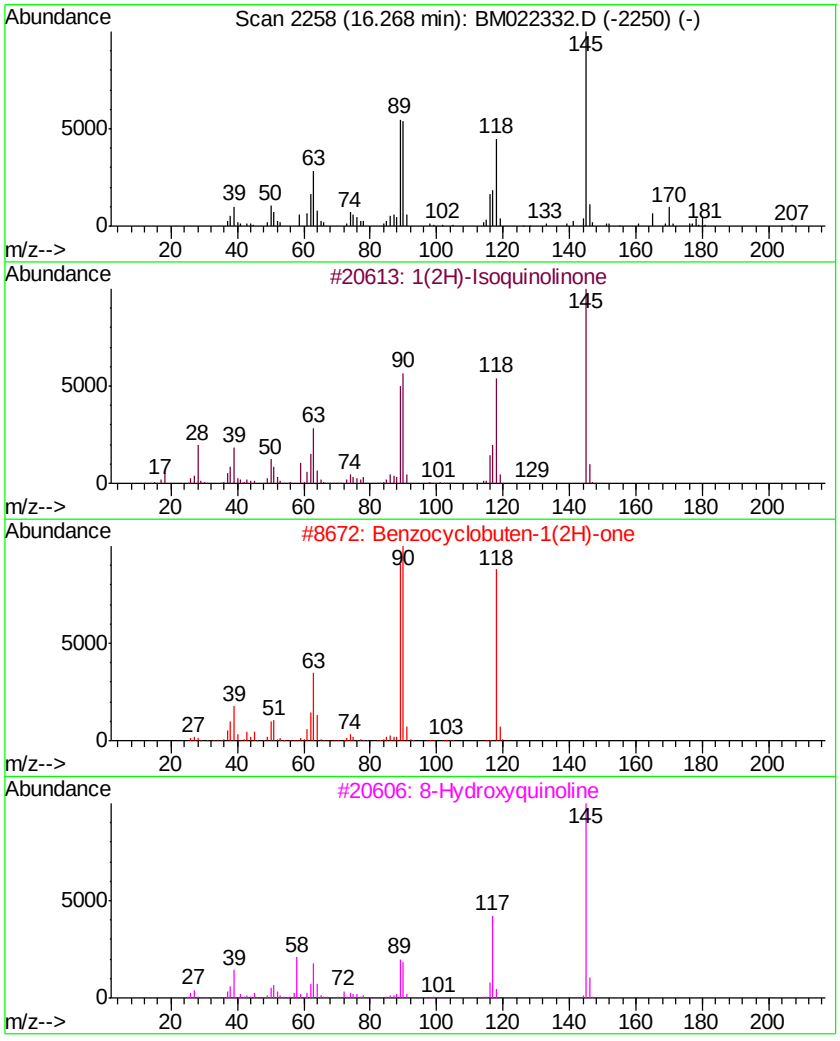
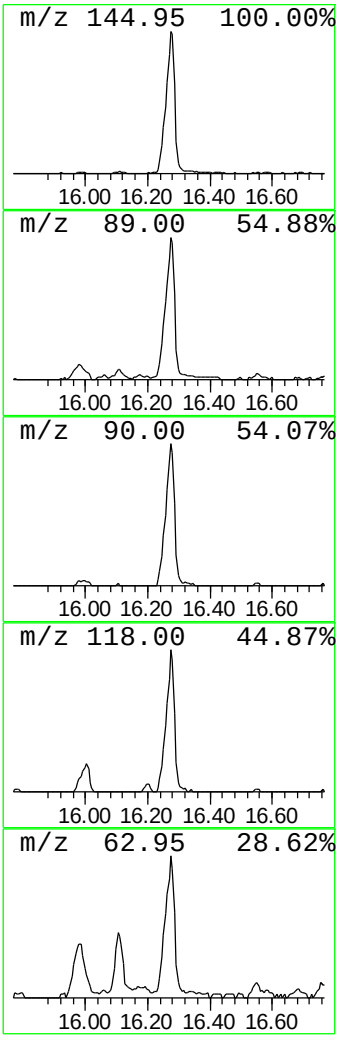
Peak Number 28 1(2H)-Isoquinolinone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	16.98 ng/ul	524115	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	98
2	Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	95
3	8-Hydroxyquinoline	145	C9H7NO	000148-24-3	74
4	3-Quinolinol	145	C9H7NO	000580-18-7	74
5	1-Phthalazinamine	145	C8H7N3	019064-69-8	72





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Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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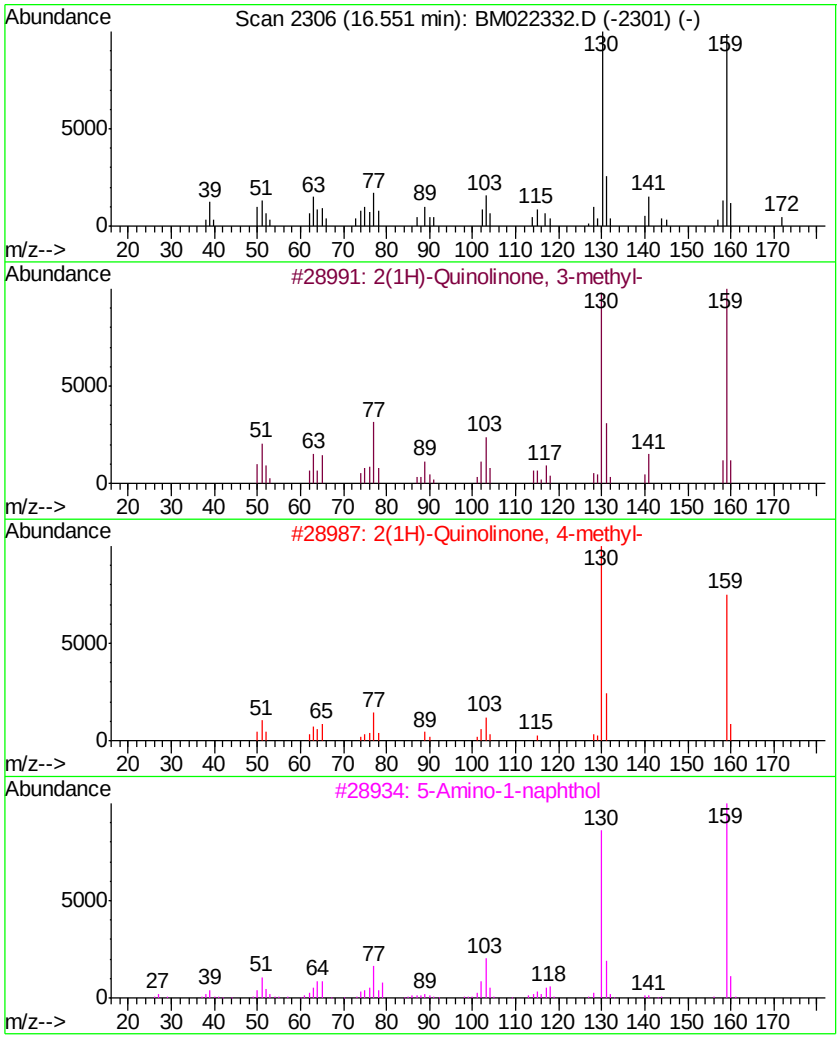
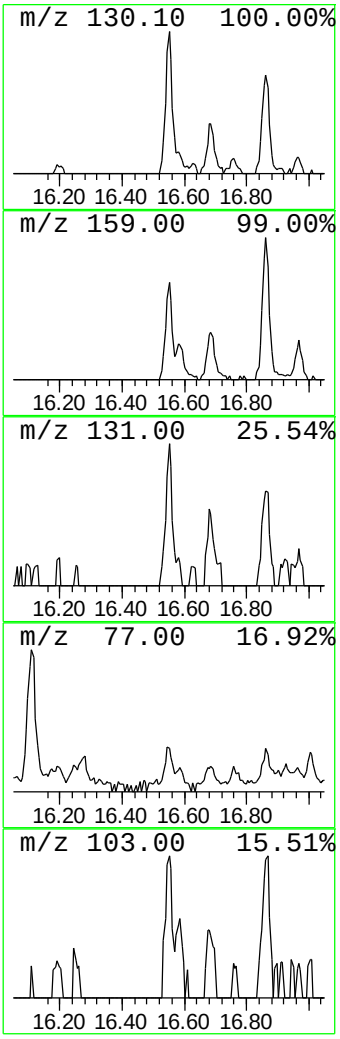
Peak Number 29 2(1H)-Quinolinone, 3-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	2.65 ng/ul	81669	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	95
2	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	94
3	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
4	4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	89
5	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	87





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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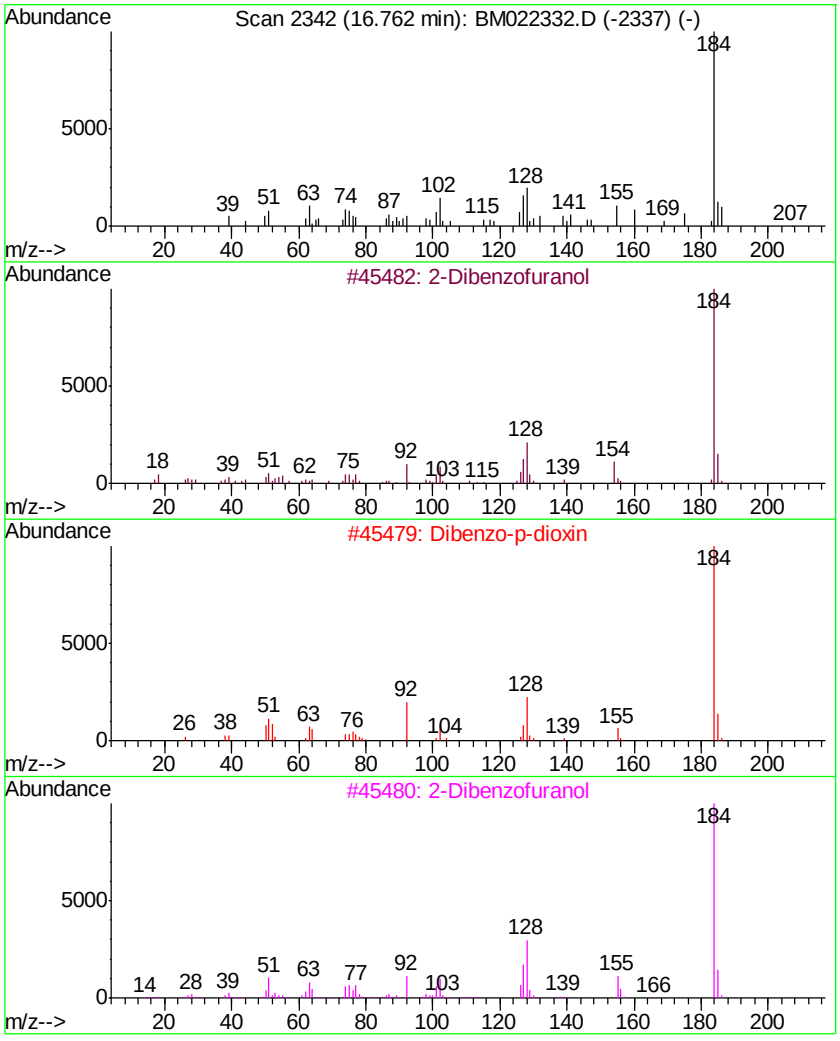
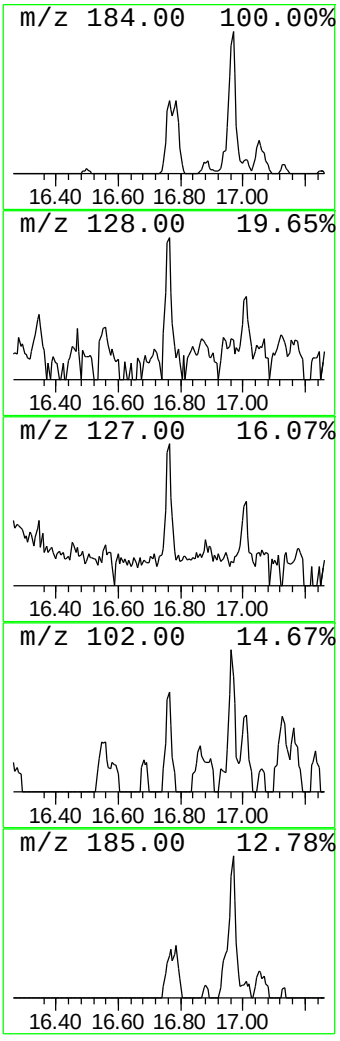
Peak Number 30 2-Dibenzofuranol Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	2.02 ng/ul	62468	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	72
2	Dibenzo-p-dioxin	184	C12H8O2	000262-12-4	59
3	2-Dibenzofuranol	184	C12H8O2	000086-77-1	58
4	4(3H)-Quinazolinone, 3-(2-propyn...	184	C11H8N2O	016347-56-1	52
5	4-Methyl-2-oxo-1,2-dihydro-3-qui...	184	C11H8N2O	028448-12-6	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082619\
Data File : BM022332.D
Acq On : 26 Aug 2019 15:55
Operator : HP/JU
Sample : K4373-19DL 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AF8DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.21	2.9	ng/ul	24920	1	7.55	172707	20.0
Indane	7.90	32.7	ng/ul	282000	1	7.55	172707	20.0
unknown-01	8.97	3.0	ng/ul	43269	2	10.32	290112	20.0
Phenol, 2,4-dimet...	9.83	12.4	ng/ul	179880	2	10.32	290112	20.0
Phenol, 3-chloro-	10.23	8.5	ng/ul	123512	2	10.32	290112	20.0
Benzo[b]thiophene	10.49	15.1	ng/ul	218439	2	10.32	290112	20.0
Phenol, 2-ethyl-5...	10.87	5.3	ng/ul	77442	2	10.32	290112	20.0
Phenol, 2-ethyl-6...	11.17	6.1	ng/ul	88773	2	10.32	290112	20.0
Phenol, 2,4,6-tri...	11.42	3.2	ng/ul	46135	2	10.32	290112	20.0
1H-Inden-1-one, 2...	11.75	7.0	ng/ul	102087	2	10.32	290112	20.0
unknown-02	12.12	2.9	ng/ul	41811	2	10.32	290112	20.0
Naphthalene, 1-me...	12.21	38.2	ng/ul	554590	2	10.32	290112	20.0
1H-Inden-5-ol, 2,...	12.42	2.4	ng/ul	53580	3	14.20	449625	20.0
Naphthalene, 2,6-...	13.36	4.3	ng/ul	95585	3	14.20	449625	20.0
Naphthalene, 1,3-...	13.51	3.9	ng/ul	86837	3	14.20	449625	20.0
2-Naphthalenecarb...	14.36	4.6	ng/ul	104304	3	14.20	449625	20.0
Benzene, 1-propynyl-	14.42	12.6	ng/ul	283580	3	14.20	449625	20.0
o-Hydroxybiphenyl	14.49	2.1	ng/ul	47851	3	14.20	449625	20.0
trans-2-Phenyl-1-...	14.73	2.8	ng/ul	62936	3	14.20	449625	20.0
Pyrido[3,2-d]pyri...	14.79	2.1	ng/ul	48309	3	14.20	449625	20.0
2,6-Dimethylpheny...	15.13	3.8	ng/ul	84571	3	14.20	449625	20.0
1-Naphthalenol, 2...	15.42	5.1	ng/ul	115233	3	14.20	449625	20.0
4-Fluoro-2,6-dime...	15.52	3.8	ng/ul	85467	3	14.20	449625	20.0
1-Naphthalenecarb...	15.99	17.5	ng/ul	540659	4	16.96	617388	20.0
2-Naphthalenecarb...	16.11	15.1	ng/ul	465299	4	16.96	617388	20.0
1(2H)-Isoquinolinone	16.27	17.0	ng/ul	524115	4	16.96	617388	20.0
2(1H)-Quinolinone...	16.55	2.6	ng/ul	81669	4	16.96	617388	20.0
2-Dibenzofuranol	16.76	2.0	ng/ul	62468	4	16.96	617388	20.0